FINAL

IMA

CORRECTIVE ACTION PLAN

PART B
ADDENDUM #1

3d Inf Div (Mech)

Former Pumphouse #2
Facility ID #9-025086
Former Building 8065
Hunter Army Airfield, Georgia

Prepared for

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT

Contract No. W912HN-07-D-0012
Delivery Order 0007

January 2009

SES

SAIC
From Science to Solutions

08-121(E)/011409

DOCUMENT 19

THIS PAGE INTENTIONALLY LEFT BLANK.

FINAL

CORRECTIVE ACTION PLAN
PART B
ADDENDUM #1
FOR
FORMER PUMPHOUSE #2
FACILITY ID #9-025086
FORMER BUILDING 8065
HUNTER ARMY AIRFIELD, GEORGIA

Prepared for

U. S. Army Corps of Engineers, Savannah District
and
Fort Stewart Directorate of Public Works
under Contract Number W912HN-07-D-0012
Delivery Order 0007

Prepared by

SpecPro Environmental Services LLC
1006 Floyd Culler Court
Oak Ridge, TN 37830

and

Science Applications International Corporation
151 Lafayette Drive
Oak Ridge, TN 37830

January 2009

THIS PAGE INTENTIONALLY LEFT BLANK.

CONTENTS

THIS PAGE INTENTIONALLY LEFT BLANK.

ACRONYMS

ACL	alternate concentration limit
ATL	alternate threshold level
BGS	below ground surface
BTEX	benzene, toluene, ethylbenzene, and xylenes
CAP	Corrective Action Plan
EPA	U. S. Environmental Protection Agency
HAAF	Hunter Army Airfield
IDW	investigation-derived waste
IWQS	In-Stream Water Quality Standard
MTBE	methyl tert butyl ether
ORC	Oxygen-Release Compound®
PID	photoionization detector
ppm	parts per million
SES	SpecPro Environmental Services, LLC
SPH	Six-Phase Heating™
STL	soil threshold level
UST	underground storage tank
VOC	volatile organic compound

THIS PAGE INTENTIONALLY LEFT BLANK.

CORRECTIVE ACTION PLAN
PART B

Facility Name: Former Pumphouse #2 Street Address: Former Building 8065, near Taxiway 3

Facility ID: 9-025086 City: Hunter Army Airfield County: Chatham Zip Code: 31409

Latitude: 32° 00′ 50″ Longitude: 81° 08′ 16″

Submitted by UST Owner/Operator:		Prepared by Consultant/Contractor:	
Name:	Tressa Rutland/Environmental Branch	Name:	Patricia A. Stoll
Company:	U.S. Army/HQ 3d, Inf. Div. (Mech)	Company:	SAIC
Address:	DPW ENRD ENV. Br. (Fry)	Address:	P.O. Box 2501
	1550 Frank Cochran Drive, Bldg. 1137		
City:	Fort Stewart State: GA	City:	Oak Ridge State: TN
Zip Code:	31314-4927	Zip Code:	37831
Telephone:	(912) 767-2010	Telephone:	(865) 481-8792

I. PLAN CERTIFICATION

A. UST Owner/Operator

I hereby certify that the information contained in this plan and in all the attachments is true, accurate, and complete, and the plan satisfies all criteria and requirements of Rule 391-3-15-.09 of the Georgia Rules for Underground Storage Tank Management.

Name: Tressa Rutland

Signature: _____ Date: _____

B. Professional Engineer or Professional Geologist

Name: Patricia Stoll

Signature: Patricia A Stoll

Date: 1/14/09

THIS PAGE INTENTIONALLY LEFT BLANK.

Check all boxes below that apply. Attach supporting documentation, i.e., narrative, figures, tables, maps, boring/well logs, etc., for all items checked. Supporting documentation should be three-hole punched and prepared in conformity with the guidance document "Underground Storage Tank (UST) Release: Corrective Action Plan – Part B (CAP-B) Content", GUST-7B.

II. SITE INVESTIGATION REPORT

☒ Not Applicable: The extent of contamination and the local and site hydrogeology requirements have been fulfilled under the Corrective Action Plan (CAP)–Part B and subsequent Semiannual Progress Reports; therefore, additional site investigation reporting is not necessary.

☐ Extent of Contamination:

☐ Local and Site Hydrogeology

III. REMEDIAL ACTION PLAN

A. Corrective Action Completed or In-Progress

☐ Not Applicable

☒ Remediation/Treatment of Contaminated Backfill Material & Native Soils

☒ Other (specify): Six-Phase Heating™ conducted in 2002 for groundwater treatment and free product removal followed by semiannual monitoring only program.

B. Objective of Corrective Action

☐ No Further Action

☒ Remediate Soil Contamination That Exceeds Alternate Threshold Levels (ATLs)

☒ Provide Risk Based Corrective Action and remediate soil and/or Groundwater Contamination That Exceedes Alternate Concentration Limits (ACLs) and Monitor Residual Contaminants

C. Design Operation of Corrective Action Systems

☒ Not Applicable: Corrective action for soil remediation in 2008 consisted of excavation of contaminated soil exceeding ATLs.

D. Implementation (MUST INCLUDE THE FOLLOWING)

NOTE: If No Further Action is proposed and none of the following apply, a brief explanation must be provided with the signed Certificate of Completion.

- Milestone schedule for proposed site activities
- Monitoring/sampling and reporting plan for measuring interim progress and project completion

- Plan to decommission equipment/wells and close site

IV. PUBLIC NOTICE

☒ Not Applicable: The corrective action objectives submitted and approved under CAP–Part B have not changed.

☐ Certified Letters to Adjacent, and Potentially Affected Property Owners and Local Officials

☐ Legal Notice in Newspaper, as approved by EPD

☐ Other EPD-approved Method (specify)

V. CLAIM FOR REIMBURSEMENT (For GUST Trust Fund sites only)

☐ GUST Trust Fund Application – (attach if applicable)

☐ Cost Proposal

- ☐ A Total of All Costs Incurred To Date (MUST INCLUDE THE FOLLOWING):
  - Invoices and proofs-of payment for all costs incurred to date
  - Invoices itemized on the GUST-4D
  - All non-eligible costs clearly identified as such
  - Incurred costs itemized per GUST-92 form or EPD provided form/specifications
- ☐ A Total of Estimated Costs to Complete Corrective Action
  - Estimated costs itemized per GUST-92 form or EPD provided form/specifications
- ☐ Total Project Costs

☐ Proposed Schedule For Reimbursement

- ☐ Lump Sum Payment Upon Completion Of Corrective Action
  OR
- ☐ Interim Payments With Final Payment Upon Completion
  OR
- ☐ EPD Established Payment Schedule

☒ Not Applicable

1.0 INTRODUCTION

Former Pumphouse #2, Facility ID #9-025086 was located near former Building 8065 at Hunter Army Airfield (HAAF), Georgia (Figure 1). The site lies along the east-west taxiway of HAAF. Former Pumphouse #2 was an aviation-gas fuel island that was used from about 1953 until the early 1970s and consisted of ten 25,000-gal underground storage tanks (USTs). The pumphouse was inactive from the 1970s to 1995. In 1995, eight of the 25,000-gal USTs were removed by Anderson Columbia Environmental, Inc. Two 25,000-gal tanks remained in place, partially under the pumphouse structure. In 1998, Earth Tech, Inc. removed the remaining two USTs and the pumphouse structure.

During the Corrective Action Plan (CAP)–Part B investigation, petroleum contaminants identified in soil and groundwater at the former Pumphouse #2 site included benzene, toluene, ethylbenzene, and xylenes (BTEX), as well as polynuclear aromatic hydrocarbon constituents. The groundwater is migrating toward the drainage ditch located to the east and south of the site; however, the dissolved plume did not migrate beyond the drainage ditch to the south and east. In groundwater, benzene was the only contaminant to exceed its In-Stream Water Quality Standard (IWQS) of 71 µg/L and alternate concentration limit (ACL) of 469 µg/L during the CAP–Parts A and B investigations (M&E 1997; SAIC 2000). In soil, benzene, ethylbenzene, benzo(*b*)fluoranthene, chrysene, and indeno(1,2,3-*cd*)pyrene concentrations exceeded the applicable Georgia UST soil threshold levels (STLs) in the vicinity of the former tank pits during the CAP–Part B investigation. Benzene and indeno(1,2,3-*cd*)pyrene were the only constituents in soil to exceed their alternate threshold levels (ATLs) of 0.44 and 0.66 mg/kg, respectively. The CAP–Part B Report recommended that Six-Phase Heating™ (SPH) be implemented in the area of the dissolved plume exceeding ACLs and the area with free product present. The objectives of the remedial action were to remove the free product, reduce the benzene concentrations in groundwater to below the proposed ACL, and reduce the benzene and indeno(1,2,3-*cd*)pyrene concentrations in soil to below the proposed ATLs. The Georgia Environmental Protection Division approved the CAP–Part B Report in correspondence dated September 28, 2000 (Wallace 2000). Operation of the remediation was implemented in 2002 for 4 months and then semiannual monitoring was continued at the site.

In 2006, a supplemental subsurface investigation was conducted to delineate the extent of soil contamination in the area of the former tank pits that was not treated under the SPH remediation system. The results were presented in the Eighth Semiannual Progress Report (SAIC 2007a). The supplemental sampling indicated that subsurface soil concentrations were above the STL and ATL for benzene and the STL for ethylbenzene, and groundwater concentrations were above the benzene IWQS and ACL.

This CAP–Part B Addendum #1 documents the results of the soil excavation that was conducted in 2008.

2.0 FIELD ACTIVITIES

SpecPro Environmental Services, LLC (SES) performed excavation-related field activities at the former Pumphouse #2 site from April 17 through June 10, 2008. The tasks performed included

- well abandonment;
- excavation of contaminated soil exceeding ATLs, which was estimated to be an area of approximately 3,334 ft^2 as denoted in the Ninth Semiannual Progress Report (SAIC 2007b);

- placing Oxygen-Release Compound® (ORC) in the excavation and backfilling the excavation;
- replacement well installation; and
- investigation-derived waste (IDW) disposal.

Photographs taken during the field activities are provided in Appendix III.

2.1 WELL ABANDONMENT

On April 17, 2008, three monitoring wells (P2-MW-44, P2-MW-45, and P2-MW-46) located within the proposed excavation area were abandoned (Figure 2). The wells were deeper than the proposed excavation depth and were abandoned by overdrilling the wells, removing the well materials, and pumping a cement/bentonite grout mixture from the bottom of the boring to ground surface. The well abandonment logs are provided in Appendix VI.

2.2 EXCAVATION, OXYGEN-RELEASE COMPOUND® PLACEMENT, AND BACKFILLING

A geotechnical sample was collected from the borrow soil for classification and moisture density on April 17, 2008. The results are presented in Appendix V.

On April 22, 2008, excavation activities were initiated. The excavation boundary was marked on the ground to match as closely as possible the 3,334 ft^2 area identified in the Ninth Semiannual Progress Report (SAIC 2007b) and the approved work plan. Excavated soil with volatile organic compound (VOC) readings [using a photoionization detector (PID)] of 1,500 parts per million (ppm) or greater was considered "contaminated" and soil with VOC readings of less than 1,500 ppm was considered "clean." Clean soil was placed on plastic sheeting near the excavation, and contaminated soil was loaded directly into plastic-lined construction roll-off containers for staging and off-site disposal. Construction debris (e.g., concrete, metal, piping, wood, and other deleterious materials) removed from the excavation was piled near the excavation on plastic sheeting and then transported off-site to a construction debris landfill for disposal.

Excavation began using a trackhoe to remove the soil, which was a non-consolidated brownish-tan soil with zones of gray and black sandy soil with concrete and metal piping debris throughout. The excavation encountered very moist/saturated soil at approximately 11.5 ft below ground surface (BGS) on the west side of the pit. VOC readings with the PID ranged from 0 ppm (background) to 1,644 ppm. Soil with higher VOC readings was considered contaminated and loaded directly into roll-off containers. The excavation encountered concrete slabs at 13 ft BGS that were massive and 2 to 3 ft thick. The equipment on-site in April 2008 was not capable of breaking or moving the concrete; however, excavation activities were continued to remove the soil overlying and exposing the concrete.

It was postulated that the concrete was the concrete slab(s) left in place from the USTs removed from the site in the 1990s. SES mobilized a trackhoe with a breaker attachment to break and size the concrete into manageable pieces. In addition, two 20,000-gal storage tanks were mobilized to the site to contain the groundwater entering the excavation. SES began removing the groundwater and concrete from the excavation, and the soil removed was continually monitored with the PID and segregated accordingly. The soil underlying the concrete was a lighter-colored grayish sandy soil, which was interpreted to be native material. Excavation activities were terminated at 16 ft BGS.

The excavation was centered around the west tank pit and the area where former Building 8065 was located and covered an area that was approximately 70 ft × 95 ft (Figure 2). The area at the top of the excavation was approximately 5,785 ft^2 and the area of the base of the excavation was approximately 3,884 ft^2. A total of 690 yd^3 of contaminated soil and debris was removed from the excavation for off-site disposal.

2.3 CONFIRMATORY SOIL SAMPLING

Once the excavation activities were complete, a total of five confirmatory soil samples were collected from the excavation. On May 6, 2008, one soil sample was collected from the bottom of the excavation and one soil sample was collected from each of the sidewalls at the bottom of the excavation. The samples were analyzed for BTEX/methyl tert butyl ether (MTBE) using U. S. Environmental Protection Agency (EPA) Method 5035/8260B or 5030B/8260B. The analytical data are presented in Table 1 and Figure 3. Laboratory analytical results from the sampling event are summarized below and provided in Appendix VI.

- Benzene was detected in one of five soil samples at a concentration of 0.0092 mg/kg. Two of the samples contained elevated detection limits that were greater than 0.023 mg/kg. None of the concentrations or elevated detection limits exceeded the ATL of 0.44 mg/kg.

- Toluene was not detected in any of the five soil samples. Two of the samples contained elevated detection limits that were greater than 0.042 mg/kg. None of the elevated detection limits exceeded the ATL of 2,050 mg/kg.

- Ethylbenzene was detected in five of five soil samples at concentrations ranging from 0.0022J to 0.62 mg/kg. None of the concentrations exceeded the ATL of 389 mg/kg.

- Total xylenes were detected in three of five soil samples at concentrations ranging from 0.070J to 0.75 mg/kg. None of the concentrations exceeded the ATL of 700 mg/kg.

- MTBE was not detected in any of the five soil samples. Two of the samples contained elevated detection limits that were greater than 0.016 mg/kg. There is no STL or ATL for MTBE.

None of the BTEX/MTBE constituents exceeded their respective ATL at the bottom of the excavation or the side walls.

2.4 OXYGEN-RELEASE COMPOUND® PLACEMENT AND BACKFILL

When the extent of the excavation had been reached and the soil samples obtained, ORC was applied to the excavation bottom and sidewalls in accordance with the manufacturer's recommendations and the approved work plan. A total of 640 lb of ORC was applied. Immediately after the ORC had been applied, the "clean" soil staged nearby was placed back into the excavation using the trackhoe to spread and compact the soil. The soil was spread and compacted with the trackhoe until the depth of the backfill reached approximately 10 ft BGS and all the "clean" soil had been placed back into the excavation. Soil was then brought from a nearby borrow pit from off-post. This material was dumped into the excavation and spread with the trackhoe until the backfill reached to 4 ft BGS. The backfill from 4 ft BGS to ground surface was spread in 6-in. lifts and compacted with a smooth-drum roller. Compaction was measured in this top 4 ft by Whitaker Laboratory, Inc., Savannah, Georgia, and the compaction was determined to be

acceptable. Once the finished grade was achieved, the surface was seeded, fertilized, and mulched to provide a ground cover of grasses to blend with the surrounding topography.

2.5 WELL INSTALLATION

On June 1, 2008, SES installed three 2-in. polyvinyl chloride monitoring wells to replace the wells that were abandoned prior to the soil excavation. The locations of replacement wells P2-MW-44R, P2-MW-45R, and P2-MW-46R are shown on Figure 3. Boring logs and well construction diagrams are provided in Appendix VII, and well construction details and survey data are provided in Table 2.

2.6 INVESTIGATION-DERIVED WASTE DISPOSAL

The contaminated soil was characterized and determined to be non-hazardous. The soil IDW was manifested and transported by Atlantic Waste Services and disposed of at the Superior Landfill in Savannah, Georgia. Concrete and other construction/demolition material was transported without manifest by Atlantic Waste Services and disposed of at Sand Dollar Recycling in Savannah, Georgia. The water IDW was manifested and transported by Moran Environmental Recovery and disposed by Water Recovery, Inc. in Jacksonville, Florida. The waste manifests are provided in Appendix VIII.

3.0 CONCLUSIONS AND RECOMMENDATIONS

Approximately 690 yd^3 of contaminated soil was removed during the excavation activities in 2008. Confirmatory soil sampling following the excavation activities indicated that BTEX-contaminated soil in excess of the applicable ATL was removed from the tank pit area and disposed of off-site. The site ranking score based on the confirmatory soil sampling results and most recent groundwater data is 2,800 (Appendix IX).

It is recommended that semiannual sampling be continued until the groundwater contaminant concentrations are below the applicable ACLs. The monitoring only program should consist of sampling wells P2-MW-4, P2-MW-44R, P2-MW-45R, P2-MW-46R, P2-MW-47, P2-MW-48, TMP-1, TMP-2, TMP-4R, TMP-6, TMP-7, TMP-9R, and TMP-11 for BTEX using EPA Method 8021B/8260B. A no further action status will be recommended when the benzene groundwater concentrations are below the ACL.

4.0 REFERENCES

M&E (Metcalf & Eddy) 1997. *Final Corrective Action Plan–Part A Report for Facility ID: 9-025086, Phase I Site Investigation at Pumphouse #2, Hunter Army Airfield, Savannah, Georgia,* April.

SAIC (Science Applications International Corporation) 2000. *Corrective Action Plan–Part B, Former Pumphouse #2, Facility ID #9-025086, Former Building 8065, Hunter Army Airfield, Georgia,* May.

SAIC 2007a. *Eighth Semiannual Progress Report, Former Pumphouse #2, Facility ID #9-025086, Former Building 8065, Hunter Army Airfield, Georgia,* June.

SAIC 2007b. *Ninth Semiannual Progress Report, Former Pumphouse #2, Facility ID #9-025086, Former Building 8065, Hunter Army Airfield, Georgia*, December.

Wallace, Ronald J. 2000. Letter to Tressa Rutland (Fort Stewart Directorate of Public Works, Environmental Branch), notice to implement CAP–Part B, September 28.

THIS PAGE INTENTIONALLY LEFT BLANK.

APPENDIX I

FIGURES

THIS PAGE INTENTIONALLY LEFT BLANK.

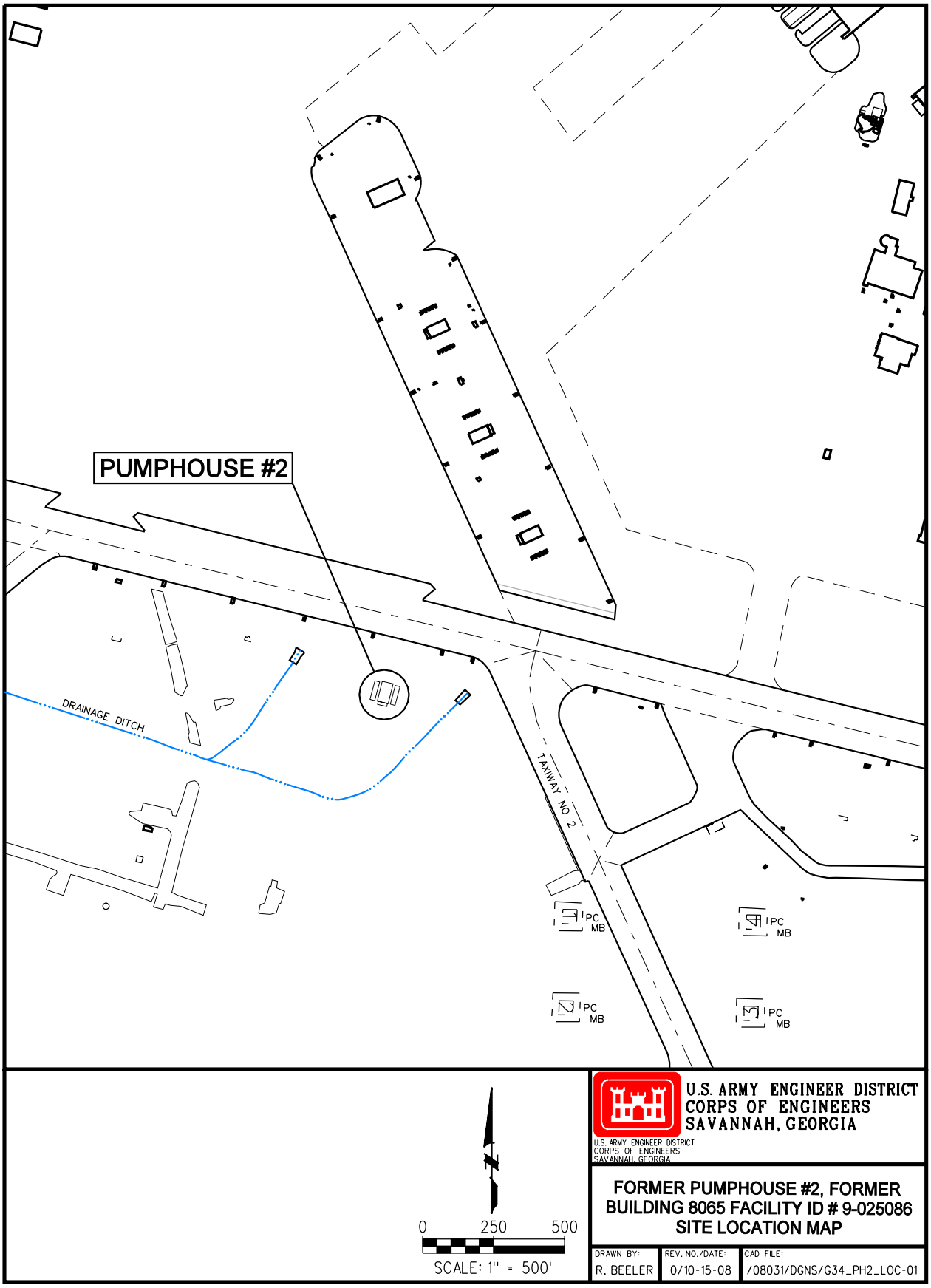


Figure 1. Site Location Map for the Former Pumphouse #2 Site, Hunter Army Airfield, Georgia

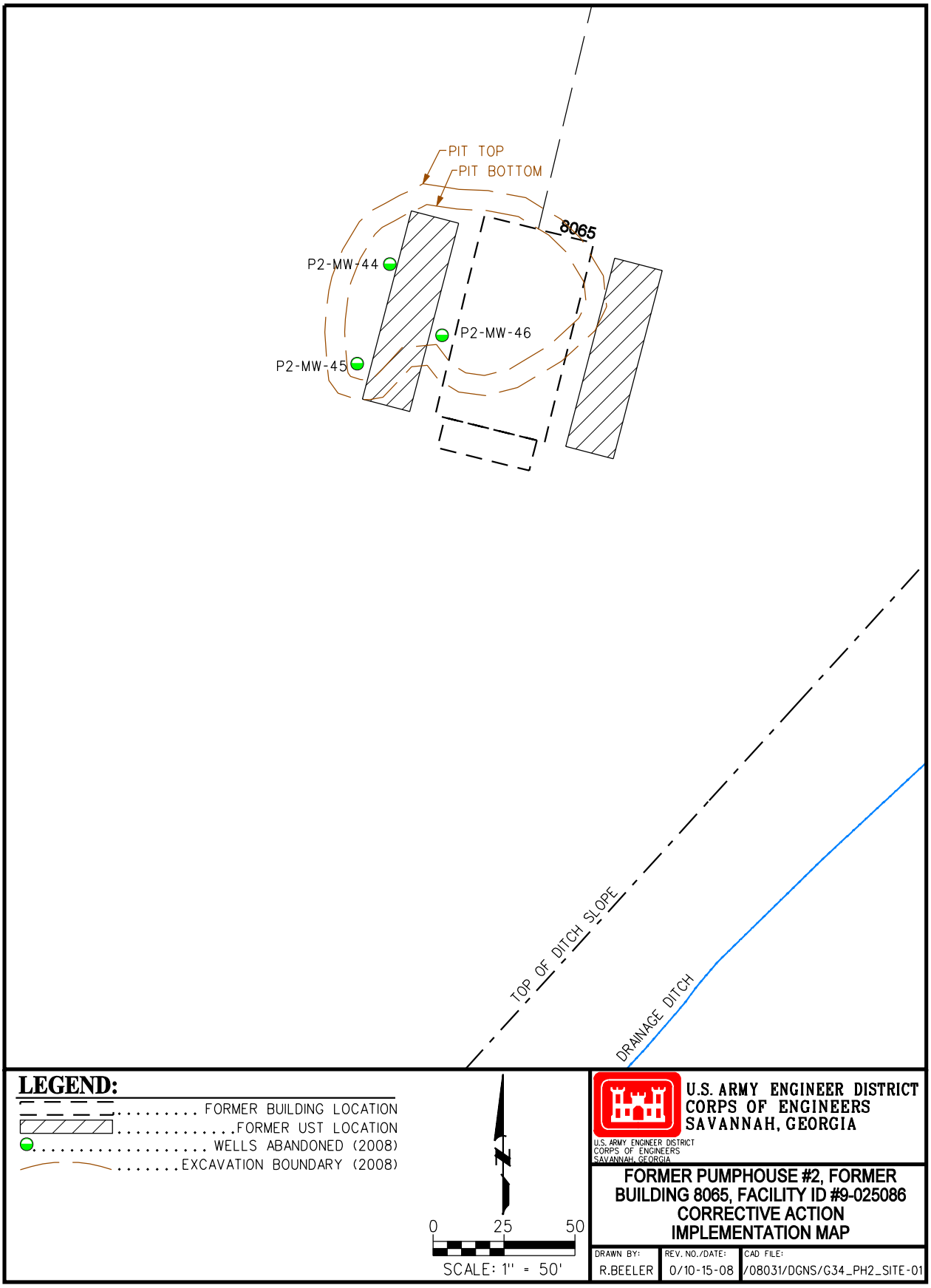


Figure 2. Corrective Action Implementation Map for the Former Pumphouse #2 Site

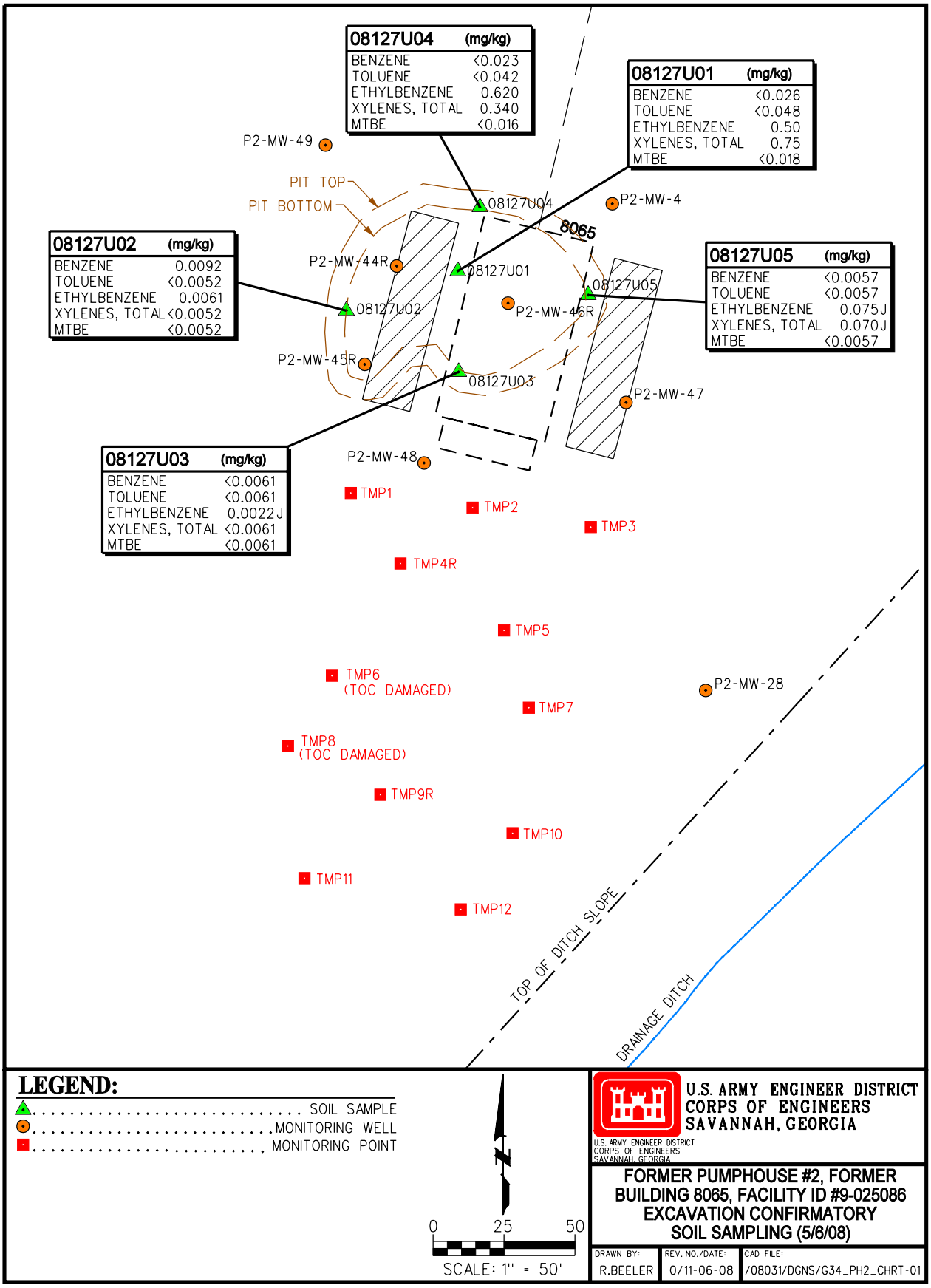


Figure 3. Excavation Confirmatory Soil Sampling Map for the Former Pumphouse #2 Site

THIS PAGE INTENTIONALLY LEFT BLANK.

APPENDIX II

TABLES

THIS PAGE INTENTIONALLY LEFT BLANK.

Table 1. Soil Analytical Results

Sample ID	Sample Location (ft BGS)	Date Sampled	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	MTBE (mg/kg)
08127U01	Bottom	05/06/08	**0.026 U**	0.048 U	0.500	0.750	1.25	0.018 U
08127U02	Side wall – West	05/06/08	0.0092	0.0052 U	0.0061	0.0052 U	0.0153	0.0052 U
08127U03	Side wall – South	05/06/08	0.0061 U	0.0061 U	0.0022 J	0.0061 U	0.0022	0.0061 U
08127U04	Side wall – North	05/06/08	**0.023 U**	0.042 U	0.620	0.340	0.96	0.016 U
08127U05	Side wall – East	05/06/08	0.0057 U	0.0057 U	0.075 J	0.070 J	0.145	0.0057 U
Soil Threshold Levels (Table B, Column 1; effective 10/29/01)			0.017	115	18	700	—	—
Alternate Threshold Levels (Approved CAP-Part B)			0.44	2,050	389	700	—	—

NOTES:
Bold values exceed soil threshold levels.
BGS Below ground surface.
BTEX Benzene, toluene, ethylbenzene, and xylenes.
CAP Corrective Action Plan.
MTBE Methyl-tert butyl ether.
Data Qualifiers:
J Indicates that the value for the compound is an estimated value.
U Indicates that the compound was not detected above the reported sample quantitation limit.

Table 2. Well Construction Details

Boring/Well Number	Date Installed	Boring Depth (ft BGS)	Screened Interval (ft BGS)	Type of Completion	Coordinates (NAD83) [a]		Elevation (NGVD29) [a]	
					Northing	Easting	Ground Surface	Top of Casing
TMP-01	12/03/01	16.5	3.0 – 16.0	TMP/Piezometer	733963.93	975043.09	39.31	40.88
TMP-22	12/03/01	16.5	3.0 – 16.0	TMP/Piezometer	733958.80	975086.04	39.87	41.69
TMP-03	12/03/01	16.5	3.0 – 16.0	TMP/Piezometer	733951.90	975127.67	39.53	41.45
TMP-04R	06/22/04	15.0	4.8 – 14.8	2-in. PVC	733939.07	975060.59	39.40	39.19
TMP-05	12/03/01	16.5	3.0 – 16.0	TMP/Piezometer	733915.51	975097.08	39.58	42.03
TMP-06	12/03/01	16.5	3.0 – 16.0	TMP/Piezometer	733874.71	975020.91	39.33	39.84
TMP-07	12/02/01	16.5	3.0 – 16.0	TMP/Piezometer	733888.21	975105.82	39.53	42.10
TMP-09R	06/22/04	15.0	4.4 – 14.0	2-in. PVC	733857.57	975053.49	38.72	38.72
TMP-10	12/02/01	16.5	3.0 – 16.0	TMP/Piezometer	733843.99	975100.10	39.37	41.24
TMP-11	12/02/01	16.5	3.0 – 16.0	TMP/Piezometer	733828.12	975026.75	38.47	40.56
TMP-12	12/01/01	16.5	3.0 – 16.0	TMP/Piezometer	733817.13	975081.81	39.59	41.54
P2-MW-4	11/19/96	17.0	6.0 – 16.0	2-in. PVC	734065.85	975135.27	39.05	38.79
P2-MW-28	05/9/97	18.5	8.0 – 18.0	2-in. PVC	733894.37	975168.17	40.07	39.97
P2-MW-44R	06/01/08	20.0	9.0 – 19.0	2-in. PVC	734043.98	975059.24	38.75	38.52
P2-MW-45R	06/01/08	19.0	8.0 – 18.0	2-in. PVC	734009.27	975047.98	38.92	38.61
P2-MW-46R	06/02/08	20.0	9.0 – 19.0	2-in. PVC	734030.82	975098.49	38.83	38.57
P2-MW-47	04/18/07	16.5	5.9 – 15.9	2-in. PVC	733995.87	975140.13	39.25	38.96
P2-MW-48	04/18/07	17.0	6.25 – 16.0	2-in. PVC	733974.50	975068.91	39.12	38.92
P2-MW-49	04/18/07	20.0	6.75 – 16.5	2-in. PVC	734086.55	975034.17	38.64	38.33

NOTES:
[a] Wells were resurveyed in August 2008.
BGS Below ground surface.
NAD North American Datum.
NGVD National Geodetic Vertical Datum
PVC Polyvinyl chloride.
TMP Temporary monitoring point.

THIS PAGE INTENTIONALLY LEFT BLANK.

APPENDIX III

PHOTOGRAPHS OF FIELD ACTIVITIES

THIS PAGE INTENTIONALLY LEFT BLANK.

Site preparation – staking excavation area

Abandoned monitoring well

Beginning stages of the excavation

Staging clean soil

Clean soil, staged/covered

Soil screening

Excavation – groundwater encountered

Typical construction debris found during excavation

Construction debris staged on plastic

Concrete encountered in excavation

Breaking concrete into manageable pieces

Removing concrete

Concrete staged

Concrete loaded in roll-off container

Plastic-lined roll-off for contaminated soils

Staging roll-offs pending analysis

Roll-off staging area

Cleaning tarmac

Dewatering the excavation into a Baker Tank

Investigative Derived Waste – Groundwater

Soil sampling

ORC® application to the excavation

Backfilling excavation

Placing and compacting of backfill

Placing clean soil backfill

Placing backfill from borrow source

Measuring compaction

Continued backfilling and compacting

Seeding/fertilizing disturbance

Watering

Site restored

APPENDIX IV

WELL ABANDONMENT LOGS

THIS PAGE INTENTIONALLY LEFT BLANK.

BOART LONGYEAR

WELL/BORING ABANDONMENT FORM

CLIENT: SES

LOCATION: Hunter AAF

JOB NO.: 3436-0067

WELL/BORING NO.: mw-44

CHIEF: Hawtrey

REASON FOR ABANDONMENT: _____

DATE OF ABANDONMENT: 4-17-08

Construction Type: Drilled ✓ Driven ___ Other _____

Formation Type: Unconsolidated ✓ Bedrock ___

Sealing Method: Gravity ___ Pumped ✓ Other _____

Sealing Materials: Bentonite Chips ___ Cement-Bent. ✓ Other ___

SEALING MATERIAL	FROM (FT.)	TO (FT.)	# BAGS OR VOLUME
Cement-bent.	16	Ø	20 gal

WELL INFORMATION ONLY

Total Well Depth: 16 Screen Removed? NO

Casing Diameter: 2" Overdrilled? yes

Casing Depth: 16 Casing Pulled? NO

Depth to Water: _____ Cut Below Surface? yes

SUPPLIES USED:

HOLEPLUG	GROUT	OTHER
bags	gal.	

BOART LONGYEAR

WELL/BORING ABANDONMENT FORM

CLIENT: SES

LOCATION: Hunter AFF

JOB NO.: 3436-0067

WELL/BORING NO.: MW-4645

CHIEF: Mauney

REASON FOR ABANDONMENT: _____

DATE OF ABANDONMENT: 4-17-08

Construction Type: Drilled ✓ Driven ___ Other _____

Formation Type: Unconsolidated ✓ Bedrock ___

Sealing Method: Gravity ___ Pumped ✓ Other _____

Sealing Materials: Bentonite Chips ___ Cement-Bent. ✓ Other ___

SEALING MATERIAL	FROM (FT.)	TO (FT.)	# BAGS OR VOLUME
Cement bent	16	0	20 gal

WELL INFORMATION ONLY

Total Well Depth: 16 Screen Removed? No

Casing Diameter: 2" Overdrilled? yes

Casing Depth: 16 Casing Pulled? No

Depth to Water: _____ Cut Below Surface? yes

SUPPLIES USED:

HOLEPLUG	GROUT	OTHER
bags	gal.	

BOART LONGYEAR

WELL/BORING ABANDONMENT FORM

CLIENT: SES

LOCATION: Hunter AFF

JOB NO.: 3436-0067

WELL/BORING NO.: MW-45 46

CHIEF: Shutsey

REASON FOR ABANDONMENT: _____

DATE OF ABANDONMENT: 4-17-08

Construction Type: Drilled ✓ Driven ___ Other _____

Formation Type: Unconsolidated ✓ Bedrock ___

Sealing Method: Gravity ___ Pumped ✓ Other _____

Sealing Materials: Bentonite Chips ___ Cement-Bent. ✓ Other ___

SEALING MATERIAL	FROM (FT.)	TO (FT.)	# BAGS OR VOLUME
Cement-bent.	12	0	16 gal

WELL INFORMATION ONLY

Total Well Depth: 12 Screen Removed? NO

Casing Diameter: 2" Overdrilled? yes

Casing Depth: 12 Casing Pulled? NO

Depth to Water: _____ Cut Below Surface? yes

SUPPLIES USED:

HOLEPLUG	GROUT	OTHER
bags	gal.	

THIS PAGE INTENTIONALLY LEFT BLANK.

APPENDIX V

GEOTECHNICAL TEST RESULTS

THIS PAGE INTENTIONALLY LEFT BLANK.

WHITAKER LABORATORY, INC.

P.O. Box 7078 2500 Tremont Road Savannah, Georgia 31418
(912) 234-0696 Fax (912) 233-5061 Email: info@whitakerlab.net
www.whitakerlab.net

Report No.: 4/21/08-5
Client: Hodges Brothers
Project: Pump House #2

Attached are the results of the classification and moisture-density tests performed on (1) sample of proposed field submitted by the contractor on 4/17/08.

In general, with proper moisture conditioning, this (SM) soil would be considered suitable within most project specifications. However, please verify there are no restrictions on the percentage of fines before using this material.

We thank you for the opportunity to be of service on this project. We appreciate your trust and look forward to a continuing relationship in the future. If you should have any questions, please do not hesitate to contact our office.

Respectfully submitted,

WHITAKER LABORATORY, INC.

Joseph F. Whitaker, P.E.

1 cc: Hodges Brothers
1 cc: File

COMPACTION TEST REPORT

Curve No.: 1

Project No.:

Date: 4/17/08

Project: Pump House 2, HAAF
Client: Hodges Brothers
Location: Lanyard Pit 17/16, Highway 17
Sample Number: 1
Remarks: Sampled by: Contractor

MATERIAL DESCRIPTION

Description: Tan-Brown Fine Silty Sand

Classifications - **USCS:** SM **AASHTO:**
Nat. Moist. = **Sp.G. =**
Liquid Limit = **Plasticity Index =**
% < No.200 = 14.9 %

TEST RESULTS
Maximum dry density = 108.1 pcf
Optimum moisture = 14.8 %

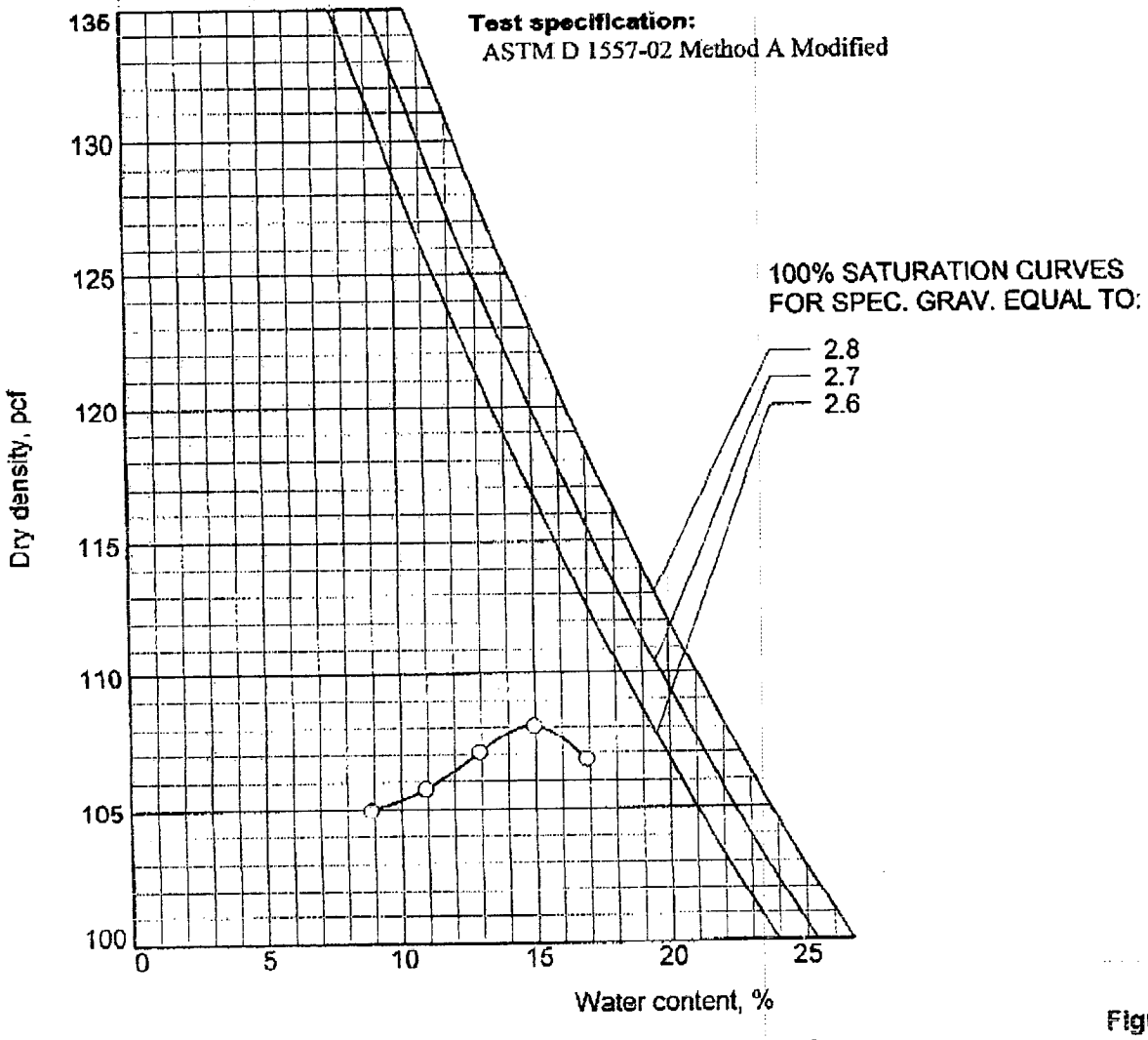
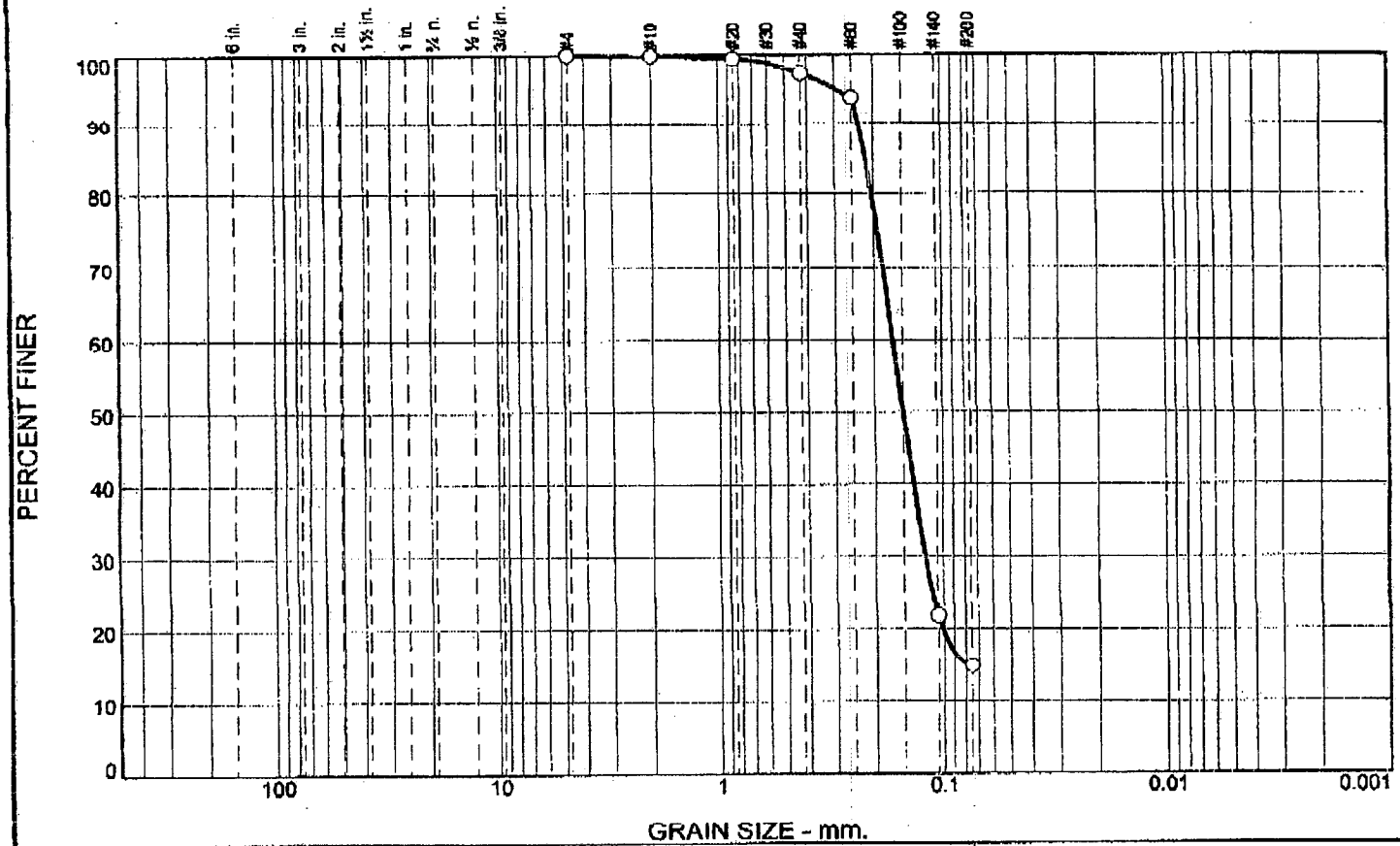


Figure 4/17/08-101

WHITAKER LABORATORY, INC.

13500. Per Load Trucks

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.0	0.1	2.4	82.6	14.9	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#4	100.0		
#10	99.9		
#20	99.5		
#40	97.5		
#60	94.0		
#140	21.9		
#200	14.9		

* (no specification provided)

Material Description

Tan-Brown Fine Silty Sand

Atterberg Limits (ASTM D 4318)

PL= LL= PI=

Classification

USCS= SM AASHTO=

Coefficients

D_{85}= 0.2169 D_{60}= 0.1658 D_{50}= 0.1503
D_{30}= 0.1205 D_{15}= 0.0758 D_{10}=
C_u= C_c=

Date Tested: **Tested By:**

Remarks

Sampled by: Contractor

Sample No.: 1 **Source of Sample:** Fill **Date Sampled:** 4/17/08
Location: Lanyard Pit 17/16, Highway 17 **Elev./Depth:**
Checked By: **Title:**

WHITAKER LABORATORY, INC.

Client: Hodges Brothers
Project: Pump House 2, HAAF
Project No: **Figure** 4/17/08-102

WHITAKER LABORATORY, INC.
2500 Tremont Road - Savannah, GA - 31405
Phone (912) 234-0696 - Fax (912) 233-5061

FIELD DENSITY REPORT

Report #: 5/12/08-72 **Date of Test(s):** 4/30/2008

Client: Hodges Brothers **Test Performed by:** Amique Hutchison

Project: HAAF, Pumphouse 2, Savannah, GA

Test Methods Used (underline all that apply)

ASTM-D-698, **ASTM-D-1557**, **ASTM-D-4959**, ASTM-D-2216, ASTM-D-1556, **ASTM-D-2922**

Test Number	% Moisture	% Optimum Moisture	Wet Density (PCF)	Dry Density (PCF)	Proctor (PCF)	% Compaction	% Required Compaction	Pass or Fail	Depth of Test (inches)	Elevation of Test (ft. **BFSG)
1	16.2	14.8	120.3	103.5	108.1	95.8	95.0	Pass	0-6"	4.0
	Test Location: *Backfill, Area East*									
2	15.5	14.8	121.5	105.2	108.1	97.3	95.0	Pass	0-6"	4.0
	Test Location: *Backfill, Area West*									

Remarks: Backfill area on air strip at previous pumphouse station #2.
There will be no fiture establishment in this back filled area. Will become grassy area.

Compaction and penetrometer tests reflect only the condition of the materials at the depth and location specified. These tests alone are not a substitute for an engineered geotechnical investigation and report, which can provide information on underlying soil conditions that can adversely affect support of structures and/or pavements.

cc: Hodges Brothers
Attn: Jeff Fax: *912-654-1673*

WHITAKER LABORATORY, INC.

Joseph F. Whitaker, P.E.

WHITAKER LABORATORY, INC.
2500 Tremont Road - Savannah, GA - 31405
Phone (912) 234-0696 - Fax (912) 233-5061

FIELD DENSITY REPORT

Report #: 5/12/08-73 **Date of Test(s):** 5/8/2008

Client: Hodges Brothers **Test Performed by:** Amique Hutchison

Project: HAAF, Pumphouse 2, Savannah, GA

Test Methods Used (underline all that apply)

ASTM-D-698, **ASTM-D-1557**, **ASTM-D-4959**, ASTM-D-2216, ASTM-D-1556, **ASTM-D-2922**

Test Number	% Moisture	% Optimum Moisture	Wet Density (PCF)	Dry Density (PCF)	Proctor (PCF)	% Compaction	% Required Compaction	Pass or Fail	Depth of Test (inches)	Elevation of Test (ft. **BFSG)
1	16.1	14.8	122.4	105.4	108.1	97.5	95.0	Pass	0-6"	0-FSG
	Test Location: *Backfill, Area East*									
2	15.7	14.8	123.1	106.4	108.1	98.4	95.0	Pass	0-6"	0-FSG
	Test Location: *Backfill, Area West*									

Remarks: _____

Compaction and penetrometer tests reflect only the condition of the materials at the depth and location specified. These tests alone are not a substitute for an engineered geotechnical investigation and report, which can provide information on underlying soil conditions that can adversely affect support of structures and/or pavements.

cc: Hodges Brothers
Attn: Jeff Fax: *912-654-1673*

WHITAKER LABORATORY, INC.

Joseph F. Whitaker, P.E.

THIS PAGE INTENTIONALLY LEFT BLANK.

APPENDIX VI

LABORATORY ANALYTICAL RESULTS

THIS PAGE INTENTIONALLY LEFT BLANK.

Validation Report
Fort Stewart, Georgia
Pumphouse 2 at HAAF

Prepared by DataChek

May 23, 2008

TABLE OF CONTENTS

List of Tables

ACRONYMS AND ABBREVIATIONS

%	Percent
%D	percent difference
BTEX	benzene, toluene, ethylbenzene, and xylenes
CB	calibration blank
CCAL	continuing calibration
CCV	continuing calibration verification
COC	chain of custody
DRO	diesel range organic
EPH	extractible petroleum hydrocarbons
ER	equipment rinsate
FD	field duplicate
GRO	gasoline range organic
ICAL	initial calibration
ICL	instrument calibration limit
IS	internal standard
J	estimated value
LCS	laboratory control sample
MB	method blank
MDL	method detection limit
MS	matrix spike
MSD	matrix spike duplicate
MTBE	methyl tert butyl ether
PAH	polynuclear aromatic hydrocarbon
PARCC	precision, accuracy, representativeness, comparability, completeness
QC	quality control
R	Rejected
RL	reporting limit
RPD	relative percent difference
RRF	relative response factor
RSD	relative standard deviation
SDG	sample delivery group
SVOC	Semivolatile organic compound
TB	trip blank
TCE	Trichloroethene
TOC	total organic carbon
TOH	total organic halides
U	not detected
UJ	not detected; associated value is an estimate
VOC	volatile organic compound

1. INTRODUCTION

The data validation of six soil samples analyzed for the BTEX compounds and MTBE. The soil samples were collected from Pumphouse 2 at HAAF, Fort Stewart, GA and the validation of the analytical results was completed in May 2008. Level III data validation was performed on all samples. Empirical Laboratories, Nashville, TN produced all the analytical data

2. PROCEDURES

The sample data were validated following the logic identified in *The CLP National Functional Guidelines for Organic Data Review (October 1999).*

The data validation qualifiers (Table 5-1) applied by the reviewer were recorded in a column adjacent and to the right of the laboratory results. A data validation reason code was also added to each of the reviewer's qualifiers to provide the user with a means to identify which results were qualified and the reason for the qualifiers (Table 5-2).

3. SUMMARY OF DATA VALIDATION FINDINGS

This data validation report reflects the data validation findings for samples associated with The HAAF Pumphouse 2. The validated data set consisted of 6 soil samples validated at Level III. Overall the data was of excellent quality, and all measurements except that for *precision* met the measures required to satisfy the project quality control (QC) objectives (precision, accuracy, representativeness, comparability, and completeness) were met. Each of these measures and specific data qualifications are discussed below.

Precision: Precision is a measure of the agreement between duplicate sample measurements of the same quantity and is reflected in the relative percent difference (RPD) between spikes and the RPD for the field duplicate analysis. Precision was measured at 60.0 percent. The low precision is due to the order of magnitude difference between the original and the duplicate samples for ethylbenzene and total xylene. The original sample was analyzed at the low-level concentration range for the standard curve, while the field duplicate was analyzed at the medium-level.

Accuracy: Accuracy is measured by the results from the recovery of known amounts of compounds or elements from laboratory control samples (LCS), matrix spikes (MS), and surrogate recoveries. The overall measure of accuracy for the Pumphouse samples was calculated by comparing the number of

spike recoveries that exceeded the laboratory limits by the total number of LCS, and surrogate recoveries. For the samples accuracy was measured at 100.0 percent.

Representativeness: The measures of representativeness – sample handling, analytical blank analysis, field blanks – were met. Designated analytical protocols were followed. Holding times were met for the analysis. Overall, no major problems were identified resulting from analytical failure.

Comparability: The samples were analyzed using appropriate approved methods of analysis. All data results were reported correctly and in standard units

Completeness: Completeness is the amount of valid data compared to the planned amount and is expressed as a percent of the usable data points divided by the total number of analytes for each parameter analyzed. Out of a total of 30 data points, no data points were rejected, resulting in a completeness of 100 percent.

Data validation summaries, which function as worksheets for the validation task, are included for each parameter in each data package. The following section highlights the key findings of the data validation for each analysis.

4. ANALYSIS-SPECIFIC DATA VALIDATION SUMMARIES

4.1 BTEX/MTBE BY SW846 8260B

Six soil samples were analyzed for the BTEX/MTBE compounds and overall, the data are of good quality and are usable as qualified. Data were reviewed for the following:

Holding Times/Sample Condition. The samples were received in acceptable condition and were analyzed within the QC holding time.

Initial and Continuing Calibration. The ICAL and CCAL analyses were within the QC limits.

Blanks. No contamination was noted in the associated method or field blanks.

Surrogate Recoveries. All surrogate recoveries were within the acceptable QC limits.

Matrix Spike/Matrix Spike Duplicates. No MS/MSD sample was analyzed

Laboratory Control Sample. LCS recoveries were within the QC limits.

Field Duplicates. The field duplicate RPDs were outside the QC limit for ethylbenzene and total xylenes. The results for those compounds in samples 08127U05 and 08127U05D were qualified as "J".

Quantification. The sample results were acceptable as qualified.

5. DATA QUALIFIER DEFINITIONS

5.1 DATA QUALIFIER DEFINITIONS

Table 5-1 Data Qualifier Definitions

Qualifier	Definition
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet quality control criteria. The presence or absence of the analyte cannot be verified.
U	The analyte was analyzed for, but was not detected above the reported sample quantification limit or the reported analyte value was not detected above 5x or 10x the level reported in laboratory or field blanks.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
UJ	The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.

5.2 DATA VALIDATION REASON CODES

During the review process, a data validation reason code was added to each of the reviewer's qualifiers to allow the user to identify which results were qualified and the reason(s) for the qualifiers. Reason codes are listed and defined in Table 5-2.

Table 5-2 Data Validation Reason Codes

Reason Code	Definition
01	Sample received outside of 4+/-2 degrees Celsius
01A	Improper sample preservation
02	Holding time exceeded
02A	Extraction
02B	Analysis
03	Instrument performance – outside criteria
03A	BFB
03B	DFTPP
03C	DDT and/or Endrin % breakdown exceeds criteria
03D	Retention time windows
03E	Resolution
04	Initial calibration results outside specified criteria
04A	Compound mean RRF QC criteria not met
04B	Individual % RSD criteria not met
04C	Correlation coefficient >0.995
05	Continuing calibration results outside specified criteria
05A	Compound mean RRF QC criteria not met
05B	Compound % D QC criteria not met
06	Result qualified as a result of the 5x/10x blank correction
06A	Method or preparation blank
06B	ICB or CCB
06C	ER
06D	TB
06E	FB
07	Surrogate recoveries outside control limits
07A	Sample
07B	Associated method blank or LCS
08	MS/MSD/Duplicate results outside criteria
08A	MS and/or MSD recovery not within control limits (accuracy)
08B	% RPD outside acceptance criteria (precision)
09	Post digestion spike outside criteria (GFAA)
10	Internal standards outside specified control limits
10A	Recovery
10B	Retention time
11	Laboratory control sample recoveries outside specified limits
11A	Recovery
11B	% RPD (if run in duplicate)
12	Interference check standard
13	Serial dilution
14	Tentatively identified compounds
15	Quantification
16	Multiple results available; alternate analysis preferred

17	Field duplicate RPD criteria is exceeded
18	Percent difference between original and second column exceeds QC criteria
19	Professional judgment was used to qualify the data
20	Pesticide clean-up checks
21	Target compound identification
22	Radiological calibration
23	Radiological quantification
24	Reported result and/or lab qualifier revised to reflect validation findings

% = percent
%D = percent difference
BFB = bromofluorobenzene
CCB = continuing calibration blank
DFTPP = decafluorotriphenylphosphine
ER = equipment rinseate
FB = field blank
GFAA = graphite furnace atomic absorption
ICB = initial calibration blank
LCS = laboratory control sample
MS = matrix spike
MSD = matrix spike duplicate
QC = quality control
RPD = relative percent difference
RRF = relative response factor
RSD = relative standard deviation
TB = trip blank

6. REFERENCES

EPA (U.S. Environmental Protection Agency), October 1999. *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (EPA-540/R-99-008).*

EMPIRICAL LABORATORIES, LLC - CHAIN OF CUSTODY RECORD

44200

SHIP TO: 227 French Landing Drive, Suite 550 • Nashville, TN 37228 • 615-345-1115 • (fax) 615-846-5426

Empirical Laboratories, LLC

Send Results to:	Send Invoice to: SAME
Name D HAWN	Name
Company SES LLC	Company
Address 1006 Floyd Collier Ct	Address
City OAK RIDGE	City
State, Zip TN 37830	State, Zip
Phone 865-481-7837	Phone
Fax 865-481-0290	Fax
E-mail DHAWN@specproenv.com	E-mail
Project No./Name: E0138.0009 Pump House 2 @ HAAF	Sampler's (Signature): Brad Powers

Analysis Requirements: BTEX

Lab Use Only:

VOA Headspace	Y	N	(NA)
Field Filtered	Y	N	(NA)
Correct Containers	(Y)	N	NA
Discrepancies	Y	(N)	NA
Cust. Seals Intact	(Y)	N	NA
Containers Intact	(Y)	N	NA

Airbill #: Fedex

CAR #: —

Lab Use Only Lab #	Date/Time Sampled	Sample Description	Sample Matrix	BTEX	Comments	No. of Bottles	Lab Use Only Containers/Pres.
080509-01		TRIP BLANK 5506	WATER	X	LAB PREP	2	2J-HP
-02	5-6-08/915	08127U01	Soil	X		4	1M, 3-0
-03	5-6-08 1043	08127U02	Soil	X		4	
-04	5-6-08 1055	08127U03	Soil	X		4	
-05	5-6-08 1102	08127U04	Soil	X		4	↓
-06	5-6-08 1137	08127U05	Soil	X		4	2M-3/6-0
-07	5-6-08 1137	08127U05D	Soil	X		4	1M-30
-08	5-6-08 1137	08127U05 MS/MSD	Soil	X		4	←

	Date/Time	Received By: (Signature)
Sample Kit Prep'd by: (Signature)		
Relinquished by: (Signature) Brad Powers	5-6-08 1350	Received By: (Signature)
Relinquished by: (Signature)	Date/Time	Received By: (Signature)
Received for Laboratory by: (Signature)	Date/Time 5/7/08 09:00	Temperature 3.3°C

REMARKS:

Level III DATA PACKAGE

Call DOUG HAWN Upon Receipt

Details:

Page 1 of 1

Cooler No. 1 of 1

Date Shipped 5/6/08

Shipped By FED EX

Turnaround NORMAL

Distribution: Original and yellow copies accompany sample shipment to laboratory; Pink retained by samplers.

VI-11

00003

EMPIRICAL LABORATORIES, LLC - CHAIN OF CUSTODY RECORD

44699

SHIP TO: 227 French Landing Drive, Suite 550 • Nashville, TN 37228 • 615-345-1115 • (fax) 615-846-5426

Empirical Laboratories, LLC

Send Results to:	Send Invoice to: SAME
Name DOUG HAWN	Name
Company SES LLC	Company
Address 1006 Floyd Collier Ct	Address
City OAK RIDGE	City
State, Zip TN 37830	State, Zip
Phone 865-481-7837	Phone
Fax 865 481 -0290	Fax
E-mail DHAWN@specproenv.com	E-mail
Project No./Name: EE138, 0007 Pumphouse Z @ HAAF	Sampler's (Signature) Bruce Powers

Analysis Requirements: BTEX

Lab Use Only:

VOA Headspace	Y	(N)	NA
Field Filtered	Y	(N)	NA
Correct Containers	(Y)	N	NA
Discrepancies	Y	(N)	NA
Cust. Seals Intact	(Y)	N	NA
Containers Intact	(Y)	N	NA

Airbill #: Fedex

CAR #:

Lab Use Only Lab #	Date/Time Sampled	Sample Description	Sample Matrix	BTEX	Comments	No. of Bottles	Lab Use Only Containers/Pres.
0805093-01		TRIP BLANK 5451	WATER	X	LAB PREP	2	2J-HP
-02	5-7-08/1510	QCR501	WATER	X		3	3J-HP
-03	5-7-08/1530	~~QCR~~ QCF501	WATER	X		3	↓

VL-12

Sample Kit Prepd by: (Signature)	Date/Time	Received By: (Signature)
Relinquished by: (Signature) Bruce Powers	Date/Time 5/7/08 1720	Received By: (Signature)
Relinquished by: (Signature)	Date/Time	Received By: (Signature)
Received for Laboratory by: (Signature)	Date/Time 5-8 7:56am	Temperature 5.6°C

REMARKS:

Level III DATA PACKAGE
CALL DOUG HAWN UPON RECEIPT

Details:

Page 1 of 1

Cooler No. 1 of 1

Date Shipped 5-7-08

Shipped By Fed EX

Turnaround NORMAL

Distribution: Original and yellow copies accompany sample shipment to laboratory; Pink retained by samplers.

(10/04)

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

08127U01

Lab Name: EMPIRICAL LABS Contract: SES

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: HAAF001

Matrix: (soil/water) SOIL Lab Sample ID: 0805059-02

Sample wt/vol: 5.6 (g/mL) G Lab File ID: 0505902D

Level: (low/med) MED Date Sampled: 05/06/08 09:15

% Moisture: not dec. 20 Date Analyzed: 05/10/08 03:35

GC Column: RTX-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000(uL) Soil Aliquot Volume: 100(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
71-43-2	Benzene	26	280		U
100-41-4	Ethylbenzene	42	280	500	
1634-04-4	MTBE	18	280		U
108-88-3	Toluene	48	280		U
1330-20-7	Xylene(total)	39	280	750	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

08127U02

Lab Name: EMPIRICAL LABS Contract: SES

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: HAAF001

Matrix: (soil/water) SOIL Lab Sample ID: 0805059-03

Sample wt/vol: 5.6 (g/mL) G Lab File ID: 0505903A

Level: (low/med) LOW Date Sampled: 05/06/08 10:43

% Moisture: not dec. 14 Date Analyzed: 05/09/08 21:14

GC Column: RTX-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
71-43-2	Benzene	0.49	5.2	9.2	
100-41-4	Ethylbenzene	0.78	5.2	6.1	
1634-04-4	MTBE	0.33	5.2		U
108-88-3	Toluene	0.89	5.2		U
1330-20-7	Xylene(total)	0.72	5.2		U

Rev Qual

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

08127U03

Lab Name: EMPIRICAL LABS Contract: SES

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: HAAF001

Matrix: (soil/water) SOIL Lab Sample ID: 0805059-04

Sample wt/vol: 4.9 (g/mL) G Lab File ID: 0505904A

Level: (low/med) LOW Date Sampled: 05/06/08 10:55

% Moisture: not dec. 17 Date Analyzed: 05/09/08 21:49

GC Column: RTX-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q Rev Qual
71-43-2	Benzene	0.57	6.1		U U
100-41-4	Ethylbenzene	0.92	6.1	2.2	J J
1634-04-4	MTBE	0.39	6.1		U U
108-88-3	Toluene	1.0	6.1		U U
1330-20-7	Xylene(total)	0.86	6.1		U U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

08127U04

Lab Name: EMPIRICAL LABS Contract: SES

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: HAAF001

Matrix: (soil/water) SOIL Lab Sample ID: 0805059-05

Sample wt/vol: 5.4 (g/mL) G Lab File ID: 0505905D

Level: (low/med) MED Date Sampled: 05/06/08 11:02

% Moisture: not dec. 7 Date Analyzed: 05/10/08 04:11

GC Column: RTX-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000(uL) Soil Aliquot Volume: 100(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
71-43-2	Benzene	23	250		U
100-41-4	Ethylbenzene	37	250	620	
1634-04-4	MTBE	16	250		U
108-88-3	Toluene	42	250		U
1330-20-7	Xylene(total)	35	250	340	

Re Qual

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

08127U05

Lab Name: EMPIRICAL LABS Contract: SES

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: HAAF001

Matrix: (soil/water) SOIL Lab Sample ID: 0805059-06

Sample wt/vol: 5.4 (g/mL) G Lab File ID: 0505906A

Level: (low/med) LOW Date Sampled: 05/06/08 11:37

% Moisture: not dec. 19 Date Analyzed: 05/09/08 22:24

GC Column: RTX-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
71-43-2	Benzene	0.54	5.7		U
100-41-4	Ethylbenzene	0.86	5.7	75	J
1634-04-4	MTBE	0.36	5.7		U
108-88-3	Toluene	0.98	5.7		U
1330-20-7	Xylene(total)	0.80	5.7	70	J

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

08127U05D

Lab Name: EMPIRICAL LABS Contract: SES

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: HAAF001

Matrix: (soil/water) SOIL Lab Sample ID: 0805059-07

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 0505907D

Level: (low/med) MED Date Sampled: 05/06/08 11:37

% Moisture: not dec. 19 Date Analyzed: 05/10/08 04:46

GC Column: RTX-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000(uL) Soil Aliquot Volume: 100(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
71-43-2	Benzene	29	310		U
100-41-4	Ethylbenzene	46	310	570	J
1634-04-4	MTBE	20	310		U
108-88-3	Toluene	53	310		U
1330-20-7	Xylene(total)	43	310	160	J

Empirical Laboratories

ORGANIC CASE NARRATIVE
SES – Ft. Stewart Pumphouse 2 at HAAF
SDG: HAAF001
Work Orders: 0805059 and 0805093

Volatile Samples

Method: The samples were analyzed by USEPA SW-846 Methods 5035/8260B or 5030B/8260B (Encore field sampling with laboratory preservation or VOA vial field sampling/preservation then low concentration purge and trap followed by capillary column GC/MS) for waters or soils upon receipt to the laboratory in satisfactory condition.

Comments: The analyses for these samples were satisfactorily completed within sample holding times and met the corresponding specifications with the following note:

- Note: Samples were analyzed for benzene, toluene, ethylbenzene, xylene (total) and MTBE.
- Due to high concentrations of ethylbenzene and/or xylene (total), samples 08127U01, 08127U04 and 08127U05D could not be analyzed from the low-level vial and the low-level method detection limits/estimated quantitation limits could not be achieved. Detected concentrations in these samples would be reported down to the method detection limit with a "J" qualifier to indicate the result as estimated.

I certify that, to the best of my knowledge and based upon my inquiry of those individuals immediately responsible for obtaining the information, the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, with the exception of the conditions detailed in the case narrative, as verified by the following signature.

Marcia K. McGinnity
Senior Project Manager

ANALYTICAL REPORT TERMS AND QUALIFIERS (ORGANIC)

MDL: The method detection limit (MDL) is defined as the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. The MDL is determined from analysis of a sample containing the analyte in a given matrix.

EQL: The estimated quantitation limit (EQL), also known as reporting limit (RL), is defined as the estimated concentration above which quantitative results can be obtained with a specific degree of confidence. Empirical Laboratories defines the EQL to be at or near the lowest standard of the calibration curve.

U: The presence of a "U" indicates that the analyte was analyzed for but was not detected or the concentration of the analyte quantitated below the MDL.

B: The presence of a "B" to the right of an analytical value indicates that this compound was also detected in the method blank and the data should be interpreted with caution. One should consider the possibility that the correct sample result might be less than the reported result and, perhaps, zero.

D: When a sample (or sample extract) is rerun diluted because one of the compound concentrations exceeded the highest concentration range for the standard curve, all of the values obtained in the dilution run will be flagged with a "D".

E: The concentration for any compound found which exceeds the highest concentration level on the standard curve for that compound will be flagged with an "E". Usually the sample will be rerun at a dilution to quantitate the flagged compound.

J: The presence of a "J" to the right of an analytical result indicates that the reported result is estimated. The mass spectral data pass the identification criteria showing that the compound is present, but the calculated result is less than the EQL. One should feel confident that the result is greater than zero and less than the EQL.

P: The associated numerical value is an estimated quantity. There is greater than a 40% difference between the two GC columns for the detected concentrations. The higher of the two values is reported unless matrix interference is apparent.

APPENDIX VII

SOIL BORING LOGS AND WELL CONSTRUCTION DIAGRAMS

THIS PAGE INTENTIONALLY LEFT BLANK.

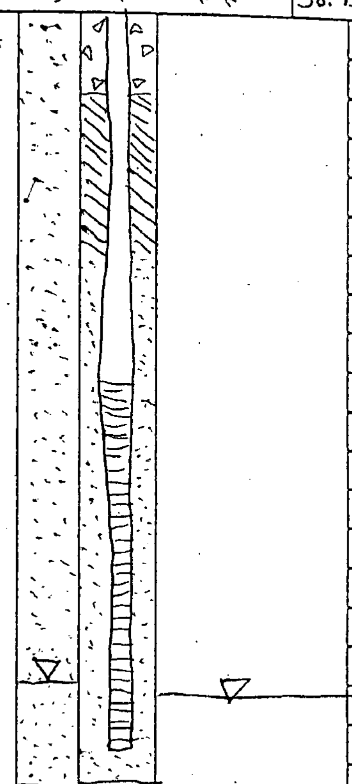
BORING LOG

BORING/WELL NO.: P2MW44R	INSTALLATION: HAAF	SITE: Pumphouse 2
PROJECT NO.: 138.0007		CLIENT/PROJECT: Ft Stewart
CONTRACTOR: SES		DRILLING CONTRACTOR: Boart Longyear
DRILLER: Wade Allen		BOREHOLE DIAMETER(S): 8"
START - DATE: 6 / 1 / 08	TIME: 07 : 30	END - DATE: 6 / 1 / 08 TIME: 09 : 20
DRILLING METHOD/RIG TYPE: Auger		COORDINATES: N 734,043.98 E 975,059.24
LOGGED BY: Doug Hawn	E-LOG (Y / (N)) FROM TO	PROTECTION LEVEL: D

GS Elev. (ft): 38.75

A Depth (ft)	B Sample	C Sample No.	D Off-site Lab (Y/N)	E On-Site Lab (Y/N)	F OVA Reading (ppm)	G Headspace (ppm)	H Recovery (ft/ft)	I Lithologic Description	J USCS	K Blows/6 inch
0'	N/A	N/A	N	N	N/A	0.0	4/4	0'-4' → dry, low plasticity, loose, ~~well~~ med graded, 7.5YR 6/4 light brown silty sand	SM	N/A
5'						2.0 to 6.8	4/4	4'-~~16~~' → dry, low plasticity, loose, medium GLEY1 4/ dark grey silty sand	SM	N/A
						3.0 to 7.6	4/4		SM	
10'						6.8 to 22	4/4		SM	
15'						9.6 to 81.6	4/4	16'-20' → wet, low plasticity, medium dense, poorly graded, coarse 7.5YR 7/1 light grey sand, water encountered at 16'	SM	
20'								Boring terminated at 20'		
25'										
30'										
35'										

L Stratigraphic Log | M Well Construction Data | N Water Depth & Remarks | O GS Elev. (ft)



[signature] PG.

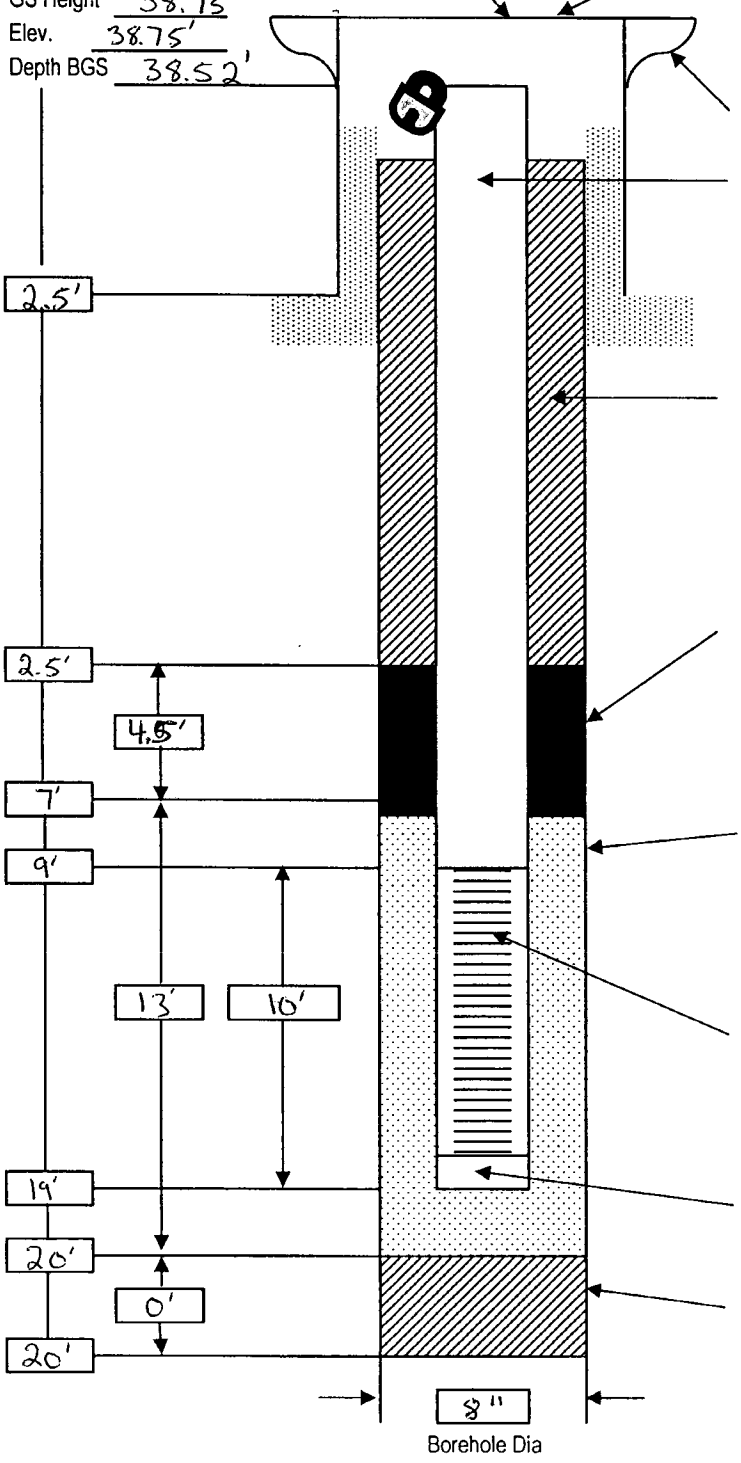
U • Thin Wall Tube R • Rock Coring On-Site G/C (Make/Model):
S • Split Spoon (tube) O • Other G/C Operator:
C • Cuttings OVA Instrument (Make/Model): MINIRAE 2000 PID
Notes:

LCV-18899 SC (4-3-97)

MONITORING WELL CONSTRUCTION LOG - Standard Flush Mount

Well No.: P2 MW44R	Installation: HAAF	Site: Pumphouse 2
Project No.: 138.0007		Client/Project: Ft Stewart
Contractor: SES		Drilling Contractor: Boart Longyear
Start Date: 6/1/08		End Date 6/1/08 Time: 0926
Built By: Wade Allen		Well Coordinates: N: 734,043.98 E:975,059.24

Elev. 38.75'
Height 38.79'
GS Elev. 38.75'
GS Height 38.75'
Elev. 38.75'
Depth BGS 38.52'



PROTECTIVE CASING
Material/Type steel
Diameter 8"
Watertight O-Ring ☑ Yes ☐ No
Breathes with Vadose Zone ☐ Yes ☑ No

SURFACE PAD
Composition & Size 2'x2' concrete

RISER PIPE
Type Schedule 40 PVC
Diameter 2"
Total Length (TOC to TOS) ~~19'~~ 9'
Ventilated Cap ☐ Yes ☑ No
O-Rings for Threads ☑ Yes ☐ No

GROUT
Composition & Amount —
CONCRETE 0.0-2.5'BGS
Tremied ☐ Yes ☐ No
Interval BGS

CENTRALIZERS ☐ Yes ☐ No
Depth(s) —

SEAL
Type bentonite
Source Enviroplug medium
Setup/Hydration Time 30 minutes
Volume Fluid Added 2.5 gallons
Tremied ☐ Yes ☑ No

FILTER PACK
Type DSI Filter Sand #1
Amount Used 4 bags
Tremied ☐ Yes ☑ No
Source DSI
Gr. Size Dist #1

SCREEN
Type Schedule 40 PVC
Diameter 2"
Slot Size 0.010"
Interval BGS 9'-19'

SUMP
Interval BGS —
Type of Bottom Cap —

BACKFILL PLUG
Material —
Setup/Hydration Time —
Tremied ☐ Yes ☐ No

PG.

BORING LOG

PAGE 1 OF 1

BORING/WELL NO.: P2MW45R	INSTALLATION: HAAF	SITE: Pumphouse 2
PROJECT NO.: E0138.0007		CLIENT/PROJECT: Ft Stewart
CONTRACTOR: SES		DRILLING CONTRACTOR: Boart Longyear
DRILLER: Wade Allen		BOREHOLE DIAMETER(S): 8"
START - DATE: 6/1/08 TIME: 09:50		END - DATE: 6/1/08 TIME: 11:10
DRILLING METHOD/RIG TYPE: Augers		COORDINATES: N 734,009.27 E 975,047.98
LOGGED BY: Doug Hawn	E-LOG (Y / (N)) FROM TO	PROTECTION LEVEL: D

Depth (ft)	Sample	Sample No.	Off-site Lab (Y/N)	On-Site Lab (Y/N)	OVA Reading (ppm)	Headspace (ppm)	Recovery (ft/ft)	Lithologic Description	USCS	Blows/6 inch	Stratigraphic Log	Well Construction Data	Water Depth & Remarks	GS Elev. (ft) 38.92'
0	N/A	N/A	N	N	N/A	0.0	4/4	0'-4' → dry, low plasticity, loose, ~~wet~~ med. graded, 7.5YR 6/4 light brown silty sand	SM	N/A				
5						4.0 to 8.2	4/4	4'-19' → dry, low plasticity, loose, medium GLEY1 4/ dark grey silty sand	SM					
						12 to 80	4/4		SM					
10						10 to 180	4/4		SM					
15						20 to 140	4/4	encounter ▽ at 16'	SM					
20								Boring terminated at 19'						
25														
30														
35														
	A	B	C	D	E	F	G	H I	J	K	L	M	N	O

BA Oa PG

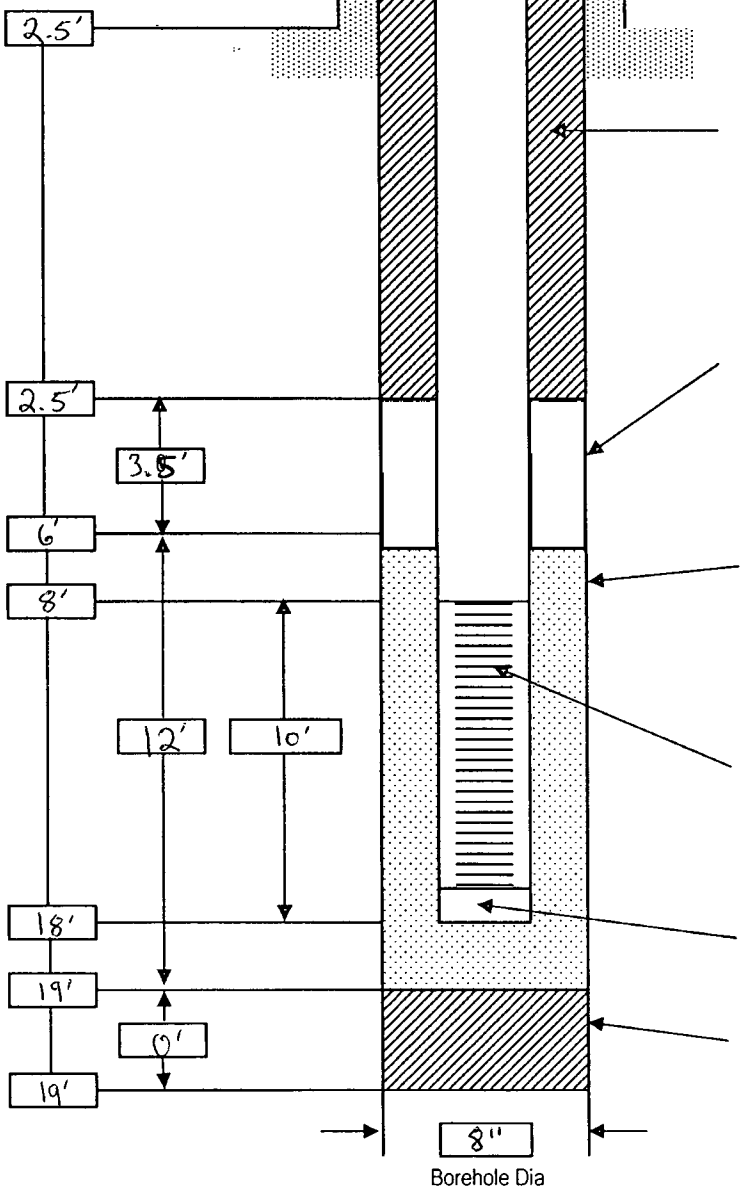
U = Thin Wall Tube
S = Split Spoon (tube)
C = Cuttings
R = Rock Coring _____
O = Other _____
OVA Instrument (Make/Model): MINIRAE 2000 PID
On-Site G/C (Make/Model): _____
G/C Operator: _____
Notes: _____

UCN-18899_FC (4-3-97)

MONITORING WELL CONSTRUCTION LOG - Standard Flush Mount

Well No.: P2 MW45R	Installation: HAAF	Site: Pumphouse 2
Project No.: 138.0007		Client/Project: Ft Stewart
Contractor: SES		Drilling Contractor: Boart Longyear
Start Date: 6/1/08		End Date 6/1/08 Time: 1110
Built By: Wade Allen		Well Coordinates: N: 734,009.27 E: 975,047.98

Elev. 38.92'
Height 38.94'
GS Elev. 38.92
GS Height 38.92'
Elev. 38.92
Depth BGS 38.61'



PROTECTIVE CASING
Material/Type steel
Diameter 8"
Watertight O-Ring ☑ Yes ☐ No
Breathes with Vadose Zone ☐ Yes ☑ No

SURFACE PAD
Composition & Size 2'x2' concrete

RISER PIPE
Type Schedule 40 PVC
Diameter 2"
Total Length (TOC to TOS) ~~18'~~ 8'
Ventilated Cap ☐ Yes ☑ No
O-Rings for Threads ☑ Yes ☐ No

GROUT
Composition & Amount —
CONCRETE 0.0-2.5' BGS
Tremied ☐ Yes ☐ No
Interval BGS —

CENTRALIZERS ☐ Yes ☐ No
Depth(s) —

SEAL
Type bentonite
Source Enviroplug medium
Setup/Hydration Time 30 minutes
Volume Fluid Added 2.5 gallons
Tremied ☐ Yes ☑ No

FILTER PACK
Type DSI Filter Sand #1
Amount Used 4 bags
Tremied ☐ Yes ☑ No
Source DSI
Gr. Size Dist #1

SCREEN
Type Schedule 40 PVC
Diameter 2"
Slot Size 0.010"
Interval BGS 8'-18'

SUMP
Interval BGS —
Type of Bottom Cap —

BACKFILL PLUG
Material —
Setup/Hydration Time —
Tremied ☐ Yes ☐ No

P.G.

BORING LOG

BORING/WELL NO.: P2MW46R	INSTALLATION: HAAF	SITE: Pumphouse 2
PROJECT NO.: E0138.0007		CLIENT/PROJECT: Ft Stewart
CONTRACTOR: SES		DRILLING CONTRACTOR: Boart Longyear
DRILLER: Wade Allen		BOREHOLE DIAMETER(S): 8"
START - DATE: 6 / 2 / 08 TIME: 06 : 45		END - DATE: 6 / 2 / 08 TIME: 08:20
DRILLING METHOD/RIG TYPE: Auger		COORDINATES: N 734,030.82 E 975,098.49
LOGGED BY: Doug Hawn	E-LOG (Y / (N)) FROM TO	PROTECTION LEVEL: D

Depth (ft)	Sample	Sample No.	Off-site Lab (Y/N)	On-Site Lab (Y/N)	OVA Reading (ppm)	Headspace (ppm)	Recovery (ft/ft)	Lithologic Description	USCS	Blows/6 inch	Stratigraphic Log	Well Construction Data	Water Depth & Remarks	GS Elev. (ft) 38.83'
0	N/A	N/A	N	N	N/A	0.0	4/4	0'-4' → dry, low plasticity, medium graded 7.5YR 6/4 light brown silty sand	SM	N/A				
5						7.4 to 21.0	4/4	4'-16' → dry, low plasticity, loose, medium GLEY1 4/ dark grey silty sand	SM					
10						21.0 to 51.2	4/4		SM					
15						14.2 to 57.6	4/4		SM					
20						60	4/4	16'-20' → wet, low plasticity, medium dense, poorly graded, coarse 7.5YR 7/1 light grey sand, water encountered at 16'	SM					
25								Boring terminated at 20'						
30														
35	A	B	C	D	E	F	G	H I	J	K	L	M	N	O

BG

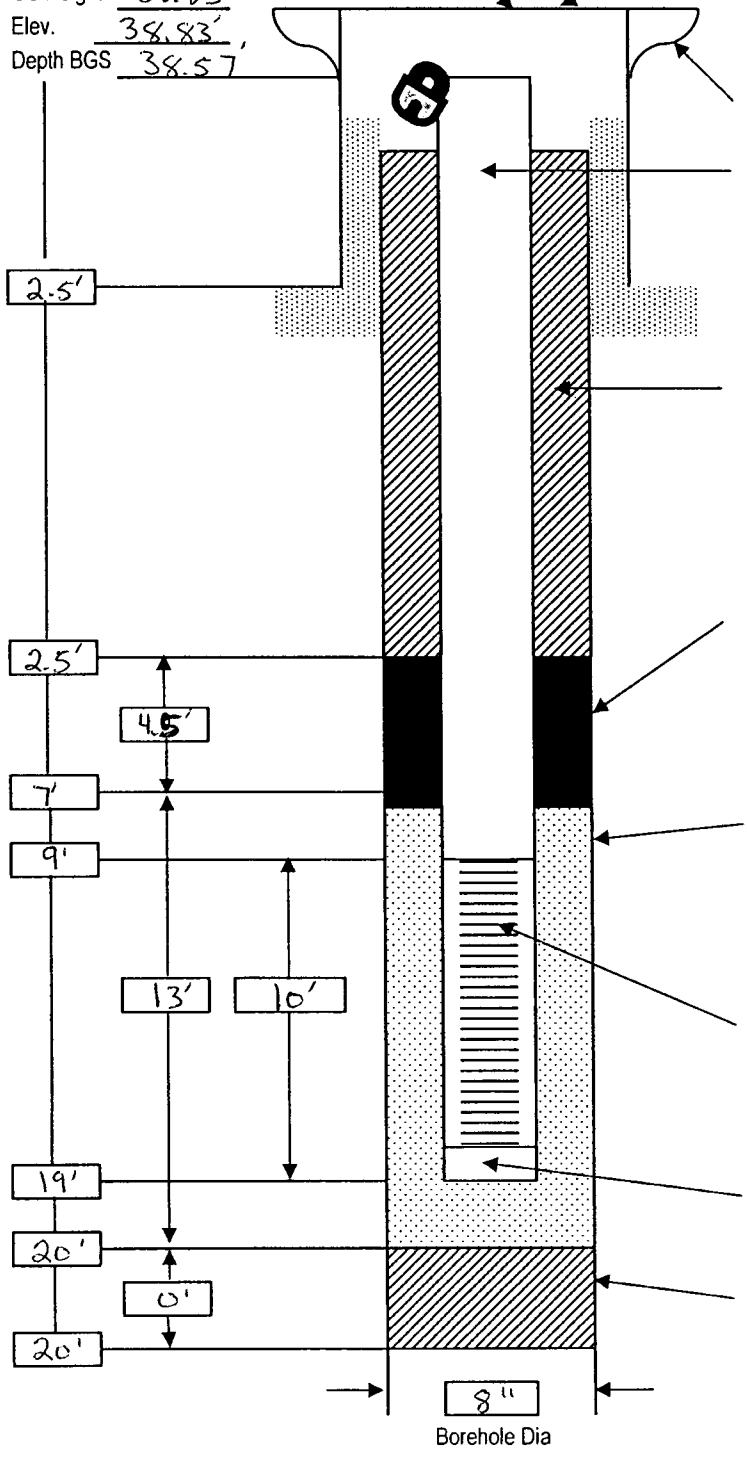
U = Thin Wall Tube
S = Split Spoon (tube)
C = Cuttings
R = Rock Coring
O = Other
OVA Instrument (Make/Model): MINIRAE 2000 PID
On-Site G/C (Make/Model):
G/C Operator:
Notes:

UCN-18899_FC (4-3-97)

MONITORING WELL CONSTRUCTION LOG - Standard Flush Mount

Well No.: P2MW46R	Installation: HAAF	Site: Pumphouse 2
Project No.: 138.0007		Client/Project: Ft Stewart
Contractor: SES		Drilling Contractor: Boart Longyear
Start Date: 6/2/08		End Date 6/2/08 Time: 0820
Built By: Wade Allen		Well Coordinates: N: 734,030.82 E:975,098.49

Elev. 38.83'
Height 38.84'
GS Elev. 38.83'
GS Height 38.83'
Elev. 38.83'
Depth BGS 38.57'



PROTECTIVE CASING
Material/Type steel
Diameter 8"
Watertight O-Ring ☑ Yes ☐ No
Breathes with Vadose Zone ☐ Yes ☑ No

SURFACE PAD
Composition & Size 2'x2' concrete

RISER PIPE
Type Schedule 40 PVC
Diameter 2"
Total Length (TOC to TOS) ~~19'~~ 9'
Ventilated Cap ☐ Yes ☑ No
O-Rings for Threads ☑ Yes ☐ No

GROUT
Composition & Amount —
CONCRETE 0.0-2.5' BGS
Tremied ☐ Yes ☐ No
Interval BGS —

CENTRALIZERS ☐ Yes ☐ No
Depth(s) —

SEAL
Type bentonite
Source Enviroplug medium
Setup/Hydration Time 30 minutes
Volume Fluid Added 2.5 gallons
Tremied ☐ Yes ☑ No

FILTER PACK
Type DSI Filter Sand #1
Amount Used 4 bags
Tremied ☐ Yes ☑ No
Source DSI
Gr. Size Dist #1

SCREEN
Type Schedule 40 PVC
Diameter 2"
Slot Size 0.010"
Interval BGS 9'-19'

SUMP
Interval BGS —
Type of Bottom Cap —

BACKFILL PLUG
Material —
Setup/Hydration Time —
Tremied ☐ Yes ☐ No

PG

APPENDIX VIII

WASTE DISPOSAL MANIFESTS

THIS PAGE INTENTIONALLY LEFT BLANK.

SOIL DISPOSAL MANIFESTS

THIS PAGE INTENTIONALLY LEFT BLANK.

Generator's Nonhazardous Waste Profile Sh

101132GA

WM WASTE MANAGEMENT

Requested Disposal Facility SUPERIOR

☐ Renewal for Profile Number _____ Profile Number

Waste Approval Expiration Date 11-22-08

A. Waste Generator Facility Information (must reflect location of waste generation/origin)

1. Generator Name: US Army Fort Stewart and Hunter Army Airfield
2. Site Address: 1550 Frank Cochran Drive
3. City/ZIP: Fort Stewart / 31314-4927
4. State: Georgia
5. County: Chatham
6. Contact Name/Title: Wayne Hinson /Environmental Engineer
7. Email Address: wayne.hinson@us.army.mil
8. Phone: 912-315-4226 9. FAX: 912-315-5148
10. NAICS Code: _____
11. Generator USEPA ID #: GA9210020872
12. State ID# (if applicable): _____

B. Customer Information ☐ same as above

1. Customer Name: Atlantic Waste Services
2. Billing Address: 125 B Pine Meadow Drive
3. City, State and ZIP: Pooler, GA 31322
4. Contact Name: Theresa Cusatis
5. Contact Email: _____
6. Phone: 912-964-2000 FAX: 912-964-2009
7. Transporter Name: Atlantic Waste Services
8. Transporter ID # (if appl.): _____
9. Transporter Address: 125 B Pine Meadow Drive
10. City, State and ZIP: Pooler,GA 31322

P. O. Number: _____

C. Waste Stream Information

1. DESCRIPTION Petroleum Fuel Contaminated Soil
   a. Common Waste Name: and Clean-up Debris State Waste Code(s): _____
   b. Describe Process Generating Waste or Source of Contamination:

   Soil Contaminated with gasoline and/or diesel fuel from a product spill or leaking UST or minor spills experienced during fuel transfers. Site Cleanup generated materials from Old Pumphouse 2 at Hunter Army Airfield.

   c. Typical Color(s): Gray / Brown / Black sandy soil
   d. Strong Odor? ☐ Yes ☑ No Describe: Fuel
   e. Physical State at 70°F: ☑ Solid ☐ Liquid ☐ Powder ☐ Semi-Solid or Sludge ☐ Other: _____
   f. Layers? ☐ Single layer ☐ Multi- layer ☑ NA
   g. Water Reactive? ☐ Yes ☑ No IF Yes, Describe: _____
   h. Free Liquid Range (%): _____ to _____ ☑ NA(solid)
   i. pH Range: ☐ ≤2 ☐ 2.1-12.4 ☐ ≥12.5 ☑ NA(solid) ☐ Actual: _____
   j. Liquid Flash Point: ☐ < 140°F ☐ ≥ 140°F ☑ NA(solid) ☐ Actual: _____
   k. Flammable Solid: ☐ Yes ☑ No
   l. Physical Constituents: List all constituents of waste stream - (e.g. Soil 0-80%, Wood 0-20%): ☐ (See Attached)

Constituents (Total Composition Must be ≥ 100%)	Concentration %	Constituents (Total Composition Must be ≥ 100%)	Concentration %
1. soil	80-100	4. ancillary debris-wood/plastic/metal	1-5
2. absorbents	0-10	5.	
3. gas or diesel fuel	1-10	6.	

2. ESTIMATED QUANTITY OF WASTE AND SHIPPING INFORMATION
   a. ☑ Event ☐ Base/Ongoing (Check One)
   b. Estimated Annual Quantity: 1400 ☐ Tons ☑ Cubic Yards ☐ Drums ☐ Gallons ☐ Other (specify): _____
   c. Shipping Frequency: _____ Units per ☐ Month ☐ Quarter ☐ Year ☑ One Time ☐ Other
   d. Is this a U.S. Department of Transportation (USDOT) Hazardous Material? (If yes, answer e.) ☐ Yes ☑ No
   e. USDOT Shipping Description (if applicable): _____
3. SAFETY REQUIREMENTS (Handling, PPE, etc.): Normal Landfill site personal protective equipment

Generator's Nonhazardous Waste Profile Sheet

D. Regulatory Status (Please check appropriate response)

1. Is this a USEPA (40 CFR Part 261)/State hazardous waste? If yes, contact your sales representative. ☐ Yes ☑ No
2. Is this waste included in one or more of categories below (Check all that apply)? If yes, attach supporting documentation. ☐ Yes ☑ No
   - ☐ Delisted Hazardous Waste
   - ☐ Excluded Wastes Under 40 CFR 261.4
   - ☐ Treated Hazardous Waste Debris
   - ☐ Treated Characteristic Hazardous Waste
3. Is the waste from a Federal (40 CFR 300, Appendix B) or state mandated clean-up? If yes, see instructions. ☐ Yes ☑ No
4. Does the waste represented by this waste profile sheet contain radioactive material? ☐ Yes ☑ No
   a. If yes, is disposal regulated by the Nuclear Regulatory Commission? ☐ Yes ☑ No
   b. If yes, is disposal regulated by a State Agency for radioactive waste/NORM? ☐ Yes ☑ No
5. Does the waste represented by this waste profile sheet contain concentrations of regulated Polychlorinated Biphenyls (PCBs)? ☐ Yes ☑ No
   a. If yes, is disposal regulated under TSCA? ☐ Yes ☐ No
6. Does the waste contain untreated, regulated, medical or infectious waste? ☐ Yes ☑ No
7. Does the waste contain asbestos? ☐ Yes ☑ No If Yes. ☐ Friable ☐ Non Friable
8. Is this profile for remediation waste from a facility that is a major source of Hazardous Air Pollutants (Site Remediation NESHAP, 40 CFR 63 subpart GGGGG)? ☐ Yes ☑ No
   If yes, does the waste contain <500 ppmw VOHAPs at the point of determination? ☐ Yes ☐ No

E. Generator Certification (Please read and certify by signature below)

By signing this Generator's Waste Profile Sheet, I hereby certify that all:

1. Information submitted in this profile and all attached documents contain true and accurate descriptions of the waste material;
2. Relevant information within the possession of the Generator regarding known or suspected hazards pertaining to this waste has been disclosed to WM/the Contractor;
3. Analytical data attached pertaining to the profiled waste was derived from testing a representative sample in accordance with 40 CFR 261.20(c) or equivalent rules; and
4. Changes that occur in the character of the waste (i.e. changes in the process or new analytical) will be identified by the Generator and disclosed to WM (and the Contractor if applicable) prior to providing the waste to WM (and the Contractor if applicable).
5. Check all that apply:
   - ☑ Attached analytical pertains to the waste. Identify laboratory & sample ID #'s and parameters tested: Sample PH2 TCLP (Full TCLP, RCI) 0805054-01 # Pages: 5
   - ☐ Only the analyses identified on the attachment pertain to the waste (identify by laboratory & sample ID #'s and parameters tested). Attachment #: _____
   - ☐ Additional information necessary to characterize this profiled waste has been attached (other than analytical). Indicate the number of attached pages: _____
   - ☐ I am an agent signing on behalf of the Generator, and the delegation of authority to me from the Generator for this signature is available upon request.
   - ☐ By Generator process knowledge, the following waste is not a listed waste and is below all TCLP regulatory limits.

Certification Signature: (Wayne C. Hixson) Title: Environmental Engineer
Company Name: DPW Environmental Div Name (Print): Wayne C. Hixson
Date: 5-21-08

FOR WM USE ONLY

Management Method: ☒ Landfill ☐ Bioremediation ☐ Non-hazardous solidification ☐ Other: _____
Approval Decision: ☒ Approved ☐ Not Approved
Waste Approval Expiration Date: 11-22-08
Management Facility Precautions, Special Handling Procedures or Limitation on approval: _____
☐ Shall not contain free liquid
☐ Shipment must be scheduled into disposal facility
☐ Approval Number must accompany each shipment
☒ Waste Manifest must accompany load
WM Authorization Name / Title: Sara Adams Date: 5-22-08
State Authorization (if Required): _____ Date: _____

December 2006

Empirical Laboratories

CLIENT: SES, LLC
DATE RECEIVED: 05/07/08
DATE REPORTED: 05/14/08

EMPIRICAL LABORATORIES SAMPLE NUMBER						0805054-01
CLIENT SAMPLE DESCRIPTION/SAMPLING DATE						PH2 TCLP 5/6/2008 9:45:00 AM
ANALYTES	REGULATORY LIMITS	MDL	REPORTING LIMITS	USEPA METHOD	UNITS	CONC
Arsenic-TCLP	5.0	0.030	0.10	1311/6010B	mg/L	<0.030
Barium-TCLP	100	0.050	2.0	1311/6010B	mg/L	0.155
Cadmium-TCLP	1.0	0.010	0.050	1311/6010B	mg/L	<0.010
Chromium-TCLP	5.0	0.020	0.10	1311/6010B	mg/L	<0.020
Lead-TCLP	5.0	0.015	0.030	1311/6010B	mg/L	0.120
Mercury-TCLP	0.20	0.00080	0.0020	1311/7470A	mg/L	<0.00080
Selenium-TCLP	1.0	0.030	0.050	1311/6010B	mg/L	<0.030
Silver-TCLP	5.0	0.010	0.10	1311/6010B	mg/L	<0.010
Initial pH - TCLP	NA	NA	NA	1311	Units	6.5
Final pH - TCLP	NA	NA	NA	1311	Units	5.0
Cyanide	250	0.13	0.25	9012A	mg/kg (as Rec'd)	<0.13
Ignitability	<140	NA	NA	1010	°F	>158
pH- Laboratory (1)	<2/>12.5	NA	NA	9045B	Units	7.0 @ 25°C
Reactive Sulfide	500	19	57	Chap.7.3.4.2	mg/kg (as Rec'd)	<19

See attached page for definitions of terms and qualifiers.

EMPIRICAL LABORATORIES

D. Rick Davis
Vice President

227 French Landing Drive ▮ Suite 550 ▮ Nashville, TN 37228 ▮ Tel (615) 345-1115 ▮ Fax (615) 846-5426

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

PH2 TCLP

Lab Name: EMPIRICAL LABS Contract: SES

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: SES.V05054

Matrix: (soil/water) TCLP Lab Sample ID: 0805054-01

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0505401T

Level: (low/med) LOW Date Sampled: 05/06/08 09:45

% Moisture: not dec. _____ Date Analyzed: 05/09/08 21:51

GC Column: RTX-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L

CAS NO.	COMPOUND	EQL	TCLP Regulatory Limit	CONC	Q
71-43-2	Benzene	0.010	0.50	<0.010	U
78-93-3	2-Butanone	0.10	200	<0.10	U
56-23-5	Carbon tetrachloride	0.010	0.50	<0.010	U
108-90-7	Chlorobenzene	0.010	100	<0.010	U
67-66-3	Chloroform	0.010	6.0	<0.010	U
106-46-7	1,4-Dichlorobenzene	0.010	7.5	<0.010	U
107-06-2	1,2-Dichloroethane	0.010	0.50	<0.010	U
75-35-4	1,1-Dichloroethene	0.010	0.70	<0.010	U
127-18-4	Tetrachloroethene	0.010	0.70	<0.010	U
79-01-6	Trichloroethene	0.010	0.50	<0.010	U
75-01-4	Vinyl chloride	0.020	0.20	<0.020	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

PH2 TCLP

Lab Name: EMPIRICAL LABS Contract: SES

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: SES.B05054

Matrix: (soil/water) TCLP Lab Sample ID: 0805054-01

Sample wt/vol: 100.0 (g/mL) ML Lab File ID: 0505401T

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 05/06/08 09:45

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:05/08/08

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 05/09/08 12:18

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L

CAS NO.	COMPOUND	EQL	TCLP Regulatory Limit	CONC	Q
121-14-2	2,4-Dinitrotoluene	0.050	0.13	<0.050	U
118-74-1	Hexachlorobenzene	0.050	0.13	<0.050	U
87-68-3	Hexachlorobutadiene	0.050	0.50	<0.050	U
67-72-1	Hexachloroethane	0.050	3.0	<0.050	U
108-39-4	3-Methylphenol	0.050	200	<0.050	U
106-44-5	4-Methylphenol	0.050	200	<0.050	U
95-48-7	2-Methylphenol	0.050	200	<0.050	U
98-95-3	Nitrobenzene	0.050	2.0	<0.050	U
87-86-5	Pentachlorophenol	0.20	100	<0.20	U
110-86-1	Pyridine	0.20	5.0	<0.20	U
95-95-4	2,4,5-Trichlorophenol	0.050	400	<0.050	U
88-06-2	2,4,6-Trichlorophenol	0.050	2.0	<0.050	U

FORM 1
PESTA ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

PH2 TCLP

Lab Name: EMPIRICAL LABS Contract: SES

Lab Code: EL Case No.: SAS No.: NA SDG No.: SES.P05054

Matrix: (soil/water) TCLP Lab Sample ID: 0805054-01

Sample wt/vol: 100.0 (g/mL) ML Lab File ID: 008R0801

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 05/06/08 09:45

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:05/09/08

Concentrated Extract Volume: 10.0(mL) Date Analyzed: 05/14/08 11:30

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L

CAS NO.	COMPOUND	EQL	TCLP Regulatory Limit	CONC	Q
57-74-9	Chlordane	0.00050	0.030	<0.00050	U
72-20-8	Endrin	0.00010	0.020	<0.00010	U
58-89-9	Gamma-BHC	0.00010	0.40	<0.00010	U
76-44-8	Heptachlor	0.00010	0.0080	<0.00010	U
1024-57-3	Heptachlor Epoxide	0.00010	0.0080	<0.00010	U
72-43-5	Methoxychlor	0.00010	10	<0.00010	U
8001-35-2	Toxaphene	0.010	0.50	<0.010	U

FORM 1
HERB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

PH2 TCLP

Lab Name: EMPIRICAL LABS Contract: SES

Lab Code: EL Case No.: SAS No.: NA SDG No.: SES.H05054

Matrix: (soil/water) TCLP Lab Sample ID: 0805054-01

Sample wt/vol: 100.0 (g/mL) ML Lab File ID: 007F0301

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 05/06/08 09:45

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:05/09/08

Concentrated Extract Volume: 10.0(mL) Date Analyzed: 05/14/08 11:45

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L

CAS NO.	COMPOUND	EQL	TCLP Regulatory Limit	CONC	Q
94-75-7	2,4-D	0.0050	10	<0.0050	U
93-72-1	2,4,5-TP (Silvex)	0.00050	1.0	<0.00050	U

THIS PAGE INTENTIONALLY LEFT BLANK.

0188

Atlantic
waste services

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: US ARMY - HUNTER ARMY FIELD US EPA ID#: ~~HA~~ GA 4 21 00 22733

Billing Address: ATLANTIC WASTE SERVICES, 135 B PINE HERITAGE DR., HINES, GA 31322

Site Address: 1176 MACARTHUR CIRCLE, BLDG 615, SAVANNAH GA 31409

County of Origin: CHATHAM Phone: 912 315 1226

Shipper # 0815054-01

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
SOIL / DEBRIS	15	1011326A		

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Wayne Hinson Date Shipped

Generator Authorized Agent Name Signature

TRANSPORTER

Transporter Name: ATLANTIC WASTE SERVICES DOT#:

Address: 135 B PINE HERITAGE DR HINES GA 31322 Truck Number:

Name of Authorized Agent Signature Date Delivered

DISPOSAL FACILITY

Site Name: SEMINOLE LANDFILL

Address: 3651 LITTLE NECK RD SAVANNAH, GA 31419

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent Signature Date Received

White - Original Yellow - Transporter Pink - Disposal Facility Gold - Customer

0220

Atlantic
waste services

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: US ARMY - HUNTER ARMY AIRFIELD US EPA ID#: ~~N/A~~ GA4210022733

Billing Address: ATLANTIC WASTE SERVICES 125 B PINE HARBOR LN. PORT WENTWORTH, GA 31322

Site Address: 106 MACINTOSH CIR, BLDG 615 SAVANNAH, GA 31409

County of Origin: CHATHAM Phone: 912 345 1226

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
SOIL / DEBRIS	1	ID11326A		

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Wayne Hinson Signature Date Shipped

Generator Authorized Agent Name

TRANSPORTER

Transporter Name: ATLANTIC WASTE SERVICES DOT#:

Address: 125 B PINE HARBOR PORT WENTWORTH, GA 31322 Truck Number:

Name of Authorized Agent Signature Date Delivered

DISPOSAL FACILITY

Site Name: SUPERIOR LANDFILL

Address: 3601 LITTLE NECK RD SAVANNAH, GA 31419

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent Signature Date Received

White - Original Yellow - Transporter Pink - Disposal Facility Gold - Customer

Atlantic
waste services

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: 11 Army - Hunter Army Airfield   US EPA ID#: ~~N/A~~ GA 4210022733

Billing Address: Atlantic Waste Services, 1215 Pine Meadow Dr, [illegible] GA [illegible]

Site Address: [illegible] MacArthur Cir, Bldg [illegible], Savannah GA 31409

County of Origin: Chatham   Phone: [illegible] 4226

Manifest # 08-05054-01

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
Soil / Debris	[illegible]	1011.32 GA		

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Wayne Hinson   [signature]   6-4-08

Generator Authorized Agent Name   Signature   Date Shipped

TRANSPORTER

Transporter Name: Atlantic Waste Services   DOT#: 995413 0R

Address: 1215 B Pine Meadow Dr, [illegible], GA 31322   Truck Number: 104

David Briggs Sr   [signature]   7 June 08

Name of Authorized Agent   Signature   Date Delivered

DISPOSAL FACILITY

Site Name: Superior Landfill

Address: 3001 Little Neck Rd, Savannah, GA 31419

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent   Signature   Date Received

White - Original   Yellow - Transporter   Pink - Disposal Facility   Gold - Customer

0203

Atlantic waste services

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: U.S. Army Hunter Army Airfield

US EPA ID#: ~~N/A~~ GA1210022733

Billing Address: Atlantic Waste Services 125 B Pine Meadow Dr, Pooler GA 31322

Site Address: 106 [illegible] Circle, Bldg 1145, Savannah, GA 31409

County of Origin: Chatham

Phone: 912-315-4226

[illegible] 4-01

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
Soil / Debris		101132GA		

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Wayne Hinson — Generator Authorized Agent Name

[signature] — Signature

6-4-08 — Date Shipped

TRANSPORTER

Transporter Name: Atlantic Waste Services

DOT#:

Address: 125 B Pine Meadow Dr, Pooler, GA 31322

Truck Number:

Name of Authorized Agent

Signature

Date Delivered

DISPOSAL FACILITY

Site Name: Superior Landfill

Address: 3001 Little Neck Rd, Savannah, GA 31419

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent

Signature

Date Received

White - Original Yellow - Transporter Pink - Disposal Facility Gold - Customer

0175

Atlantic
waste services

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: U.S. Army Hunter Army Airfield US EPA ID#: ~~NHA~~ GA 4210022733

Billing Address: [illegible]

Site Address: 106 Macarthur Circle Bld 615 Savannah, GA 31409

County of Origin: Chatham Phone: 912 315 4226

Sample #0805054-01

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
Soil/Debris	12	101132GA		

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Wayne Hinson — Generator Authorized Agent Name

Signature — Date Shipped

TRANSPORTER

Transporter Name: [illegible] DOT#: 995413

Address: [illegible] Truck Number: 104

DAVID C BRIGGS — Name of Authorized Agent

Signature — Date Delivered 07 JUNE 08

DISPOSAL FACILITY

Site Name: [illegible]

Address: [illegible]

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent — Signature — Date Received

White - Original Yellow - Transporter Pink - Disposal Facility Gold - Customer

0219

Atlantic
waste services

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: [illegible] US EPA ID#: ~~N/A~~ CA4210022753

Billing Address: [illegible]

Site Address: [illegible]

County of Origin: [illegible] Phone: [illegible]

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Wayne Hinson — Generator Authorized Agent Name

Wayne Hinson — Signature — Date Shipped

TRANSPORTER

Transporter Name: [illegible] DOT#: _____

Address: [illegible] Truck Number: _____

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL FACILITY

Site Name: [illegible]

Address: [illegible]

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent — Signature — Date Received

White - Original Yellow - Transporter Pink - Disposal Facility Gold - Customer

0201

Atlantic
waste services

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: [illegible] US EPA ID#: ~~[illegible]~~ GA 210022733

Billing Address: [illegible]

Site Address: [illegible]

County of Origin: [illegible] Phone: [illegible]

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
SOIL / DEBRIS	[illegible]	1C1132.GA	[illegible]	[illegible]

AIME # CF05054-01

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Wayne Hinson — Generator Authorized Agent Name

[signature] — Signature

6-4-08 — Date Shipped

TRANSPORTER

Transporter Name: [illegible] DOT#: [illegible]

Address: [illegible] Truck Number: [illegible]

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL FACILITY

Site Name: SUPERIOR LANDFILL

Address: [illegible]

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent — Signature — Date Received

White - Original Yellow - Transporter Pink - Disposal Facility Gold - Customer

0217

Atlantic waste services

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: US ARMY - HUNTER ARMY AIRFIELD US EPA ID#: ~~HHA~~ GA 4210022733

Billing Address: ATLANTIC WASTE SERVICES, 125 B PINE MEADOW DR, POOLER, GA 31322

Site Address: 166 MACARTHUR CIR, BLDG 692, SAVANNAH, GA 31409

County of Origin: CHATHAM Phone: [illegible] 4226

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
SOIL / DEBRIS	1	[illegible] 32-GA	Y	30 YD [illegible]

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name: Way Hinson Signature: [signature] Date Shipped:

TRANSPORTER

Transporter Name: ATLANTIC WASTE SERVICES DOT#:

Address: 125 B PINE MEADOW DR, POOLER, GA 31322 Truck Number: 10

Name of Authorized Agent: Signature: [signature] Date Delivered: [illegible] 08

DISPOSAL FACILITY

Site Name: SUPERIOR LANDFILL

Address: 3001 LITTLE NECK RD, SAVANNAH, GA 31419

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent Signature Date Received

White - Original Yellow - Transporter Pink - Disposal Facility Gold - Customer

Atlantic
waste services

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: U.S. Army - Hunter Army Airfield

US EPA ID#: ~~N/A~~ GA 4210022733

Billing Address: Atlantic Waste Services 125 B Pine Meadow Ln, Pooler GA 31322

Site Address: [illegible] Bldg 1215, Savannah GA 31409

County of Origin: Chatham

Phone: [illegible]-4226

[illegible]

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
Soil / Debris	1	[illegible] GA	[illegible]	[illegible]

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Wayne Hinson — Generator Authorized Agent Name

[signature] — Signature

6-4-08 — Date Shipped

TRANSPORTER

Transporter Name: Atlantic Waste Services

DOT#: 995413 GA

Address: 125 B Pine Meadow Ln, Pooler GA 31322

Truck Number: 104

David Briggs — Name of Authorized Agent

[signature] — Signature

7 June 08 — Date Delivered

DISPOSAL FACILITY

Site Name: [illegible] Landfill

Address: [illegible]
Savannah, GA 31419

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent

Signature

Date Received

White - Original Yellow - Transporter Pink - Disposal Facility Gold - Customer

0209

Atlantic
waste services

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: _____ US EPA ID#: ~~GA~~ GA 4210022737

Billing Address: _____

Site Address: _____

County of Origin: _____ Phone: _____

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Wayne Hinson — Wayne Hinson — 6-4-08

Generator Authorized Agent Name / Signature / Date Shipped

TRANSPORTER

Transporter Name: _____ DOT#: _____

Address: _____ Truck Number: _____

_____ _____ 6-6-08

Name of Authorized Agent / Signature / Date Delivered

DISPOSAL FACILITY

Site Name:

Address:

I hereby acknowledge receipt of the above described materials.

_____ _____

Name of Authorized Agent / Signature / Date Received

White - Original Yellow - Transporter Pink - Disposal Facility Gold - Customer

0207

Atlantic
waste services

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: [illegible] US EPA ID#: ~~HA~~ GA4210022733

Billing Address: [illegible]

Site Address: [illegible]

County of Origin: CHATHAM Phone: [illegible]

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
[illegible]		[illegible]		

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Wayne Hinson — Generator Authorized Agent Name

[illegible] — Signature

6-6-08 — Date Shipped

TRANSPORTER

Transporter Name: [illegible] DOT#: [illegible]

Address: [illegible] Truck Number: [illegible]

DAVID BRIGGS — Name of Authorized Agent

[illegible] — Signature

6-6-08 — Date Delivered

DISPOSAL FACILITY

Site Name: [illegible]

Address: [illegible]

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent

Signature

Date Received

White - Original Yellow - Transporter Pink - Disposal Facility Gold - Customer

0233

Atlantic
waste services

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: US Army - Hunter Army Airfield

US EPA ID#: ~~TX~~ GA4210022733

Billing Address: Atlantic Waste Services, 125 E Pine Meadow Dr. Rincon, GA 31326

Site Address: 106 MacArthur Cir., Bldg 615, Savannah GA 31409

County of Origin: Chatham

Phone: 912 315 1226

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
C&D/Debris	1	N11326A		

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Wayne Hinson — Generator Authorized Agent Name

Wayne Hinson — Signature

6-4-08 — Date Shipped

TRANSPORTER

Transporter Name: Atlantic Waste Services

DOT#: 11 11

Address: 125 E Pine Meadow Dr. Rincon GA 31326

Truck Number: 17

Name of Authorized Agent

Signature

Date Delivered

DISPOSAL FACILITY

Site Name: Seaside Landfill

Address: 3601 Little Neck Rd Savannah, GA 31419

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent

Signature

Date Received

White - Original Yellow - Transporter Pink - Disposal Facility Gold - Customer

0200

Atlantic
waste services

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: U.S. Army - Hunter Army Airfield

US EPA ID#: ~~N/A~~ GA4210022733

Billing Address:

Site Address:

County of Origin:

Phone:

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
SOIL/DEBRIS		10132 GA		

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Wayne Hinson — Generator Authorized Agent Name

Signature

6-4-08 — Date Shipped

TRANSPORTER

Transporter Name: Atlantic Waste Services

DOT#:

Address:

Truck Number:

Name of Authorized Agent

Signature

Date Delivered

DISPOSAL FACILITY

Site Name: Superior Landfill

Address:

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent

Signature

Date Received

White - Original Yellow - Transporter Pink - Disposal Facility Gold - Customer

0479

Atlantic
waste services

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: U. Army - Hunter Army Airfield

US EPA ID#: ~~N/A~~ GA4210022733

Billing Address: Atlantic Waste Services, 125 B Pine Meadow Dr. Pooler GA 31322

Site Address: 106 MacArthur Cir. Bldg 615, Savannah GA 31409

County of Origin: Chatham

Phone: 912 315 9226

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
Oil / Filters		10132 GA		

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Wayne Hinson
Generator Authorized Agent Name

Signature

Date Shipped

TRANSPORTER

Transporter Name:

DOT#:

Address:

Truck Number: 18

Name of Authorized Agent

Signature

Date Delivered

DISPOSAL FACILITY

Site Name:

Address: 1 Little Record

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent

Signature

Date Received

White - Original Yellow - Transporter Pink - Disposal Facility Gold - Customer

Atlantic waste services

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: US Army-Hunter Army Airfield

US EPA ID#: ~~N/A~~ GA4210022733

Billing Address: Atlantic Waste Services, 125 B Pine Meadow Dr, Pooler, GA 31322

Site Address: 166 [illegible] Cir, Bldg [illegible], Savannah, GA 31409

County of Origin: Chatham

Phone: 912 [illegible] 7236

Sample #0805051-01

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
Soil/Debris		101132 GA		

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Wayne Hinson

Generator Authorized Agent Name

[signature]

Signature

6-4-08

Date Shipped

TRANSPORTER

Transporter Name: Atlantic Waste Services

Address: 125 B Pine Meadow Dr, Pooler, GA 31322

DOT#: 995413 GA

Truck Number: 104

David C. Briggs Jr.

Name of Authorized Agent

[signature]

Signature

6 June 08

Date Delivered

DISPOSAL FACILITY

Site Name: [illegible] Landfill

Address: [illegible] Little Neck Rd, Savannah, GA [illegible]

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent

Signature

Date Received

White - Original Yellow - Transporter Pink - Disposal Facility Gold - Customer

0480

Atlantic waste services

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: US ARMY - HUNTER ARMY AIRFIELD

US EPA ID#: ~~HH~~ GA 4210022733

Billing Address: ATLANTIC WASTE SERVICES 1256 PINE MEADOW DR POOLER GA 31322

Site Address: 106 MACARTHUR CR, BLDG 615, SAVANNAH, GA 31409

County of Origin: CHATHAM

Phone: 912 315 ~~4229~~ 4226

SAMPLE #C805054-01

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
SOIL / DEBRIS		101132 GA		

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name: Wayne Hinson

Signature: [signature]

Date Shipped: 6-6-11

TRANSPORTER

Transporter Name: [illegible]

Address: [illegible]

DOT#: [illegible]

Truck Number: [illegible]

Name of Authorized Agent

Signature

Date Delivered

DISPOSAL FACILITY

Site Name: [illegible]

Address: [illegible]

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent

Signature

Date Received

White - Original Yellow - Transporter Pink - Disposal Facility Gold - Customer

0206

Atlantic
waste services

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: US ARMY - HUNTER ARMY AIRFIELD US EPA ID#: ~~N/A~~ GA4210022733

Billing Address: ATLANTIC WASTE SERVICES, 125 B PINE MEMORIAL DR, POOLER GA 31322

Site Address: 1086 MACARTHUR CR, BLDG. 645, SAVANNAH, GA 31409

County of Origin: CHATHAM Phone: 912 315 4226

IMPLI # C8C5054-01

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
SOIL/DEBRIS		1132GA		

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Wayne Hinson — Generator Authorized Agent Name

Signature — 6-4-08 Date Shipped

TRANSPORTER

Transporter Name: ATLANTIC WASTE SERVICES DOT#: 995413

Address: 125 B PINE MEMORIAL DR POOLER, GA 31322 Truck Number: 104

Name of Authorized Agent — Signature — 6 JUNE 08 Date Delivered

DISPOSAL FACILITY

Site Name: SCREVEN LANDFILL

Address: 3001 LITTLE MILL RD SAVANNAH, GA 31419

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent — Signature — Date Received

White - Original Yellow - Transporter Pink - Disposal Facility Gold - Customer

0234

Atlantic
waste services

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: [illegible]

US EPA ID#: ~~N/A~~ GA 4210022733

Billing Address: ATLANTIC WASTE SERVICES, 1258 PINE MEADOW DR., POOLER GA 31322

Site Address: [illegible] SAVANNAH, GA [illegible]

County of Origin: CHATHAM

Phone: [illegible]

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
SOIL / DEBRIS	[illegible]	[illegible]		[illegible]

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Wayne Hinson — Generator Authorized Agent Name

[signature] — Signature

6-4-08 — Date Shipped

TRANSPORTER

Transporter Name: [illegible]

Address: 1258 PINE MEADOW DR. POOLER, GA 31322

DOT#: [illegible]

Truck Number:

Name of Authorized Agent

Signature

Date Delivered

DISPOSAL FACILITY

Site Name: SUPERIOR LANDFILL

Address: 3001 LITTLE NECK RD, SAVANNAH, GA 31419

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent

Signature

Date Received

White - Original Yellow - Transporter Pink - Disposal Facility Gold - Customer

0199

Atlantic
waste services

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: US Army - Hunter Army Airfield

US EPA ID#: ~~HAA~~ GA4210022733

Billing Address: Atlantic Waste Services [illegible] Pooler GA 31322

Site Address: 106 MacArthur Cir, Bldg 615, Savannah GA 31409

County of Origin: Chatham

Phone: 912 315 4226

Savane # CS05054-01

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
Soil / Debris	15	10132-~~GA~~	yds	30 yd metal

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Wayne Hinson — Generator Authorized Agent Name

[signature] — Signature

6-4-08 — Date Shipped

TRANSPORTER

Transporter Name: Atlantic Waste Services

DOT#: [illegible]

Address: 1250 [illegible] Pooler, GA 31322

Truck Number: [illegible]

[illegible] — Name of Authorized Agent

Signature

[illegible] — Date Delivered

DISPOSAL FACILITY

Site Name: Superior Landfill

Address: 3001 Little Neck Rd, Savannah, GA 31419

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent

Signature

Date Received

White - Original Yellow - Transporter Pink - Disposal Facility Gold - Customer

0197

Atlantic waste services

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: US Army - Hunter Army Airfield

US EPA ID#: GA4210022733

Billing Address: Atlantic Waste Services, 125 B Pine Meadow Dr, Pooler, GA 31322

Site Address: 166 Duncan Avenue, Bldg 615, Savannah, GA 31409

County of Origin: Chatham

Phone: 912 315 4226

SAMPLE # 080505-01

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
Soil/Debris	15	101132GA	yds	30 yds / metal
—				
—				

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name: Wayne Hinson

Signature: [signature]

Date Shipped:

TRANSPORTER

Transporter Name: Atlantic Waste Services

Address: 125 B Pine Meadow Dr, Pooler, GA 31322

DOT#: 995413 [illegible]

Truck Number: 103

Name of Authorized Agent: [illegible]

Signature: [signature]

Date Delivered: 6-4-08

DISPOSAL FACILITY

Site Name: Superior Landfill

Address: 3001 Little Neck Rd, Savannah, GA 31419

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent: [illegible]

Signature: [illegible]

Date Received:

White - Original   Yellow - Transporter   Pink - Disposal Facility   Gold - Customer

Atlantic
waste services

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: US ARMY - HUNTER ARMY AIRFIELD US EPA ID#: GA4210022733

Billing Address: ATLANTIC WASTE SERVICES, [illegible], POOLER, GA 31322

Site Address: 106 MACARTHUR CR. BLDG 615, SAVANNAH, GA 31409

County of Origin: CHATHAM

Phone: 912 315 4226

[illegible] # [illegible]-01

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
[illegible] DEBRIS	15	[illegible] GA	yds	30 yd metal

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Wayne Hinson

Generator Authorized Agent Name Signature Date Shipped

TRANSPORTER

Transporter Name: ATLANTIC WASTE SERVICES DOT#:

Address: [illegible], POOLER, GA 31322 Truck Number:

Name of Authorized Agent Signature Date Delivered

DISPOSAL FACILITY

Site Name: SUPERIOR LANDFILL

Address: 3001 LITTLE NECK RD, SAVANNAH, GA 31419

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent Signature Date Received

White - Original Yellow - Transporter Pink - Disposal Facility Gold - Customer

0198

Atlantic
waste services

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: [illegible] US EPA ID#: ~~HT~~ GA 4210022733

Billing Address: [illegible]

Site Address: [illegible]

County of Origin: [illegible] Phone: [illegible]

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
[illegible]	15	[illegible] GA	yds	30 YC metal

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Wayne Hinson — Signature — 6-4-08

Generator Authorized Agent Name — Signature — Date Shipped

TRANSPORTER

Transporter Name: [illegible] DOT#: [illegible] GA

Address: [illegible] Truck Number: 18

[illegible] — Signature — Date Delivered

Name of Authorized Agent

DISPOSAL FACILITY

Site Name: [illegible]

Address: [illegible]

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent — Signature — Date Received

White - Original Yellow - Transporter Pink - Disposal Facility Gold - Customer

0232

Atlantic
waste services

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: _____ US EPA ID#: GA4210022733

Billing Address: _____

Site Address: _____

County of Origin: _____ Phone: _____

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
	15	113 GH	yds	30yd metal

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Wayne Hinson — Generator Authorized Agent Name

Wayne Hinson — Signature — 6-4-08 — Date Shipped

TRANSPORTER

Transporter Name: _____ DOT#: 995417 Ga.

Address: _____ Truck Number: 103

Woody Caraway — Name of Authorized Agent

Woody Caraway — Signature — Date Delivered

DISPOSAL FACILITY

Site Name:

Address:

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent — Signature — Date Received

White - Original Yellow - Transporter Pink - Disposal Facility Gold - Customer

0231

Atlantic waste services

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: [illegible]

US EPA ID#: GA [illegible]22733

Billing Address: [illegible]

Site Address: [illegible]

County of Origin: [illegible]

Phone: [illegible]

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
[illegible]	15	[illegible]	yds	30 yd metal

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Wayne Hinson — Generator Authorized Agent Name

[signature] — Signature

6-4-08 — Date Shipped

TRANSPORTER

Transporter Name: [illegible]

DOT#:

Address: [illegible]

Truck Number:

Name of Authorized Agent

Signature

Date Delivered

DISPOSAL FACILITY

Site Name: [illegible]

Address: [illegible]

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent

Signature

Date Received

White - Original Yellow - Transporter Pink - Disposal Facility Gold - Customer

0222

Atlantic waste services

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: US Army - Hunter Army Airfield US EPA ID#: ~~HA~~ GA 4 2 100 22733

Billing Address: Atlantic Waste Services, 125 E Pine Manor, Pooler, GA 31322

Site Address: 106 MacArthur Cir., Bldg 615, Savannah GA 31401

County of Origin: Chatham Phone: 912 352 4226

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
C&D/Debris	15	101326 ~~GA~~	yds	30yd metal

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Wayne Hinson Wayne Hinson Date Shipped

Generator Authorized Agent Name Signature

TRANSPORTER

Transporter Name: Atlantic Waste Trucks DOT#:

Address: Truck Number: 18

Name of Authorized Agent Signature Date Delivered

DISPOSAL FACILITY

Site Name: Dixiana Landfill

Address: 3601 Little Neck Rd Savannah, GA 31419

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent Signature Date Received

White - Original Yellow - Transporter Pink - Disposal Facility Gold - Customer

0221

Atlantic waste services

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: Hunter Army Airfield US EPA ID#: GA4210022733

Billing Address: Atlantic Waste Services 125 B Mill Haven Dr. Rincon GA 31326

Site Address: [illegible] Park [illegible] Savannah GA 31401

County of Origin: Chatham Phone: 912 315 4276

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
Oil Debris	15	101132GA	yds	30 yd metal

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Wallace Hinson — [signature]

Generator Authorized Agent Name | Signature | Date Shipped

TRANSPORTER

Transporter Name: Atlantic Waste Services DOT#: 995413GA

Address: 125 B Mill Haven Dr Rincon GA 31326 Truck Number: 104

[signature] — [signature] — 4 June 04

Name of Authorized Agent | Signature | Date Delivered

DISPOSAL FACILITY

Site Name: Superior Landfill

Address: [illegible] Road, Savannah GA 31419

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent | Signature | Date Received

White - Original Yellow - Transporter Pink - Disposal Facility Gold - Customer

0212

Atlantic
waste services

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: _____ US EPA ID#: GA42/00227733

Billing Address: _____

Site Address: _____

County of Origin: _____ Phone: _____

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Wayne Hinson — Generator Authorized Agent Name

Wayne Hinson — Signature — 6-4-08 — Date Shipped

TRANSPORTER

Transporter Name: _____ DOT#: _____

Address: _____ Truck Number: _____

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL FACILITY

Site Name:

Address:

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent — Signature — Date Received

White - Original Yellow - Transporter Pink - Disposal Facility Gold - Customer

0211

Atlantic
waste services

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: _____ US EPA ID#: GA 42100 2733

Billing Address: _____

Site Address: _____ GA 401

County of Origin: _____ Phone: _____

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type

Special Handling Instructions:

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Wayne Hinson — Generator Authorized Agent Name

Wayne Hinson 6-4-08 — Signature / Date Shipped

TRANSPORTER

Transporter Name: _____ DOT#: 995413 GA

Address: _____ Truck Number: 124

_____ — Name of Authorized Agent

_____ 5 JUNE 08 — Signature / Date Delivered

DISPOSAL FACILITY

Site Name: _____

Address: _____

I hereby acknowledge receipt of the above described materials.

_____ — Name of Authorized Agent

_____ — Signature / Date Received

White - Original Yellow - Transporter Pink - Disposal Facility Gold - Customer

0210

Atlantic
waste services

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: _____ US EPA ID#: GA 42100227 73

Billing Address: _____

Site Address: _____

County of Origin: _____ Phone: _____

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Wayne H. Nixon — Generator Authorized Agent Name

Wayne Nixon — Signature — 6-4-08 — Date Shipped

TRANSPORTER

Transporter Name: _____ DOT#: _____

Address: _____ Truck Number: _____

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL FACILITY

Site Name:

Address:

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent — Signature — Date Received

White - Original Yellow - Transporter Pink - Disposal Facility Gold - Customer

0218

Atlantic
waste services

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: US Army - Hunter Army Airfield

US EPA ID#: GA4210022733

Billing Address: Atlantic Waste Services 125 B Pine Meadow Dr. Pooler GA 31322

Site Address: 1116 MacArthur Cir, Bldg 615, Savannah, GA 31409

County of Origin: Chatham

Phone: 912 315 4226

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
Soil/Debris	10	10132GA	Y	[illegible]

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Wayne Hinson

Generator Authorized Agent Name | Signature | Date Shipped

TRANSPORTER

Transporter Name: Atlantic Waste Services

Address: 125 B Pine Meadow Dr. Pooler GA 31322

DOT#:

Truck Number:

Name of Authorized Agent | Signature | Date Delivered

DISPOSAL FACILITY

Site Name: Superior Landfill

Address: 3001 Little Neck Rd
Savannah, GA 31419

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent | Signature | Date Received

White - Original Yellow - Transporter Pink - Disposal Facility Gold - Customer

0229

Atlantic
waste services

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: [illegible]

US EPA ID#: GA4210022733

Billing Address: [illegible] GA 31322

Site Address: [illegible] GA 314[illegible]

County of Origin: [illegible]

Phone: [illegible]

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
[illegible] / Debris	15	[illegible]1132 GA	yds	30yd metal

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name: Wayne Hinson

Signature: [signature]

Date Shipped: 6-4-08

TRANSPORTER

Transporter Name: Atlantic Waste Services

Address: [illegible] GA 31322

DOT#: [illegible]

Truck Number: 17

Name of Authorized Agent: [illegible]

Signature: [signature]

Date Delivered: [illegible]

DISPOSAL FACILITY

Site Name: [illegible]

Address: [illegible]

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent

Signature

Date Received

White - Original Yellow - Transporter Pink - Disposal Facility Gold - Customer

0215

Atlantic
waste services

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: _____ US EPA ID#: ~~HA~~ GA4210023753

Billing Address: _____

Site Address: _____

County of Origin: _____ Phone: _____

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Wayne Hinson — 6-4-08

Generator Authorized Agent Name — Signature — Date Shipped

TRANSPORTER

Transporter Name: _____ DOT#: 995413 GA

Address: _____ Truck Number: 104

DAVID BRIGGS JR — 5 JUNE.08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL FACILITY

Site Name:

Address:

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent — Signature — Date Received

White - Original Yellow - Transporter Pink - Disposal Facility Gold - Customer

0228

Atlantic
waste services

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: [illegible] US EPA ID#: GA4210022733

Billing Address: [illegible] 125 B [illegible] Meadows Dr. [illegible], GA 31322

Site Address: 1116 MacArthur Cr, Bldg 615, Savannah GA 31409

County of Origin: [illegible]

Phone: [illegible] 1226

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
Soil /Debris	15	101132 GA	[illegible]	20 yd [illegible]

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Wayne Hinson
Generator Authorized Agent Name | Signature | Date Shipped

TRANSPORTER

Transporter Name: [illegible] Waste Services | DOT#:

Address: 125 B Pine Meadows Dr. [illegible], GA 31322 | Truck Number:

Name of Authorized Agent | Signature | Date Delivered

DISPOSAL FACILITY

Site Name: Superior Landfill

Address: 3001 Little Neck Rd
Savannah, GA 31419

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent | Signature | Date Received

White - Original Yellow - Transporter Pink - Disposal Facility Gold - Customer

0189

Atlantic
waste services

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: US ARMY - HUNTER ARMY AIRFIELD US EPA ID#: ~~N/A~~ GA4210022733

Billing Address: ATLANTIC WASTE SERVICES - 125 B PINE MEADOW DR. POOLER GA 31322

Site Address: 166 MACARTHUR CIR. BLDG 615, SAVANNAH GA 31409

County of Origin: CHATHAM Phone: 912 315 4226

SAMPLE # C805054-01

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
SOIL / DEBRIS	15	K1132GA	YDS	30 YD Metal

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Wayne Hinson — Generator Authorized Agent Name
[signature] — Signature
5 JUNE 08 — Date Shipped

TRANSPORTER

Transporter Name: ATLANTIC WASTE SERVICES DOT#: 995413 GA

Address: 125 B PINE MEADOW DR. POOLER GA 31322 Truck Number: 104

DAVID BRIGGS — Name of Authorized Agent
[signature] — Signature
5 JUNE 08 — Date Delivered

DISPOSAL FACILITY

Site Name: SUPERIOR LANDFILL

Address: 3001 LITTLE NECK RD SAVANNAH, GA 31419

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent — Signature — Date Received

White - Original Yellow - Transporter Pink - Disposal Facility Gold - Customer

0227

Atlantic
waste services

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: [illegible] US EPA ID#: ~~HH~~ GA 42100 22733

Billing Address: [illegible]

Site Address: [illegible]

County of Origin: [illegible] Phone: [illegible]

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
Soils/Debris	15	~~IBIC~~ 1011326A		20 YD Until

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Wayne Hinson
Generator Authorized Agent Name

[illegible]
Signature Date Shipped

TRANSPORTER

Transporter Name: Atlantic Waste Services DOT#: [illegible]

Address: 125 B Pine Meadow Dr. Hinesville, GA 31322 Truck Number: 18

Jonathan Dixon
Name of Authorized Agent

[illegible]
Signature Date Delivered

DISPOSAL FACILITY

Site Name: Dixie Landfill

Address: 2001 Little Neck Rd Savannah, GA 31419

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent

Signature Date Received

White - Original Yellow - Transporter Pink - Disposal Facility Gold - Customer

Atlantic
waste services

0226

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: US Army Hunter Army Airfield   US EPA ID#: ~~NA~~ GA421 0022733

Billing Address: Atlantic Waste Services, 125 B Ave Hunter Dr., Pooler GA 31322

Site Address: 166 MacArthur Cr., Bldg 615, Savannah, GA 31409

County of Origin: Chatham   Phone: 912 315 4226

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
Soil/Debris	15	101326A	YD	20 yd roll

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Wayne Hinson   Wayne Hinson

Generator Authorized Agent Name   Signature   Date Shipped

TRANSPORTER

Transporter Name: Atlantic Waste Services   DOT#:

Address: 125 B Ave Hunter Dr, Pooler GA 31322   Truck Number:

Name of Authorized Agent   Signature   Date Delivered

DISPOSAL FACILITY

Site Name: Superior Landfill

Address: 3001 Little Neck Rd., Savannah, GA 31419

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent   Signature   Date Received

White - Original Yellow - Transporter Pink - Disposal Facility Gold - Customer

0481

Atlantic
waste services

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: US ARMY - HUNTER ARMY AIRFIELD

US EPA ID#: ~~N/A~~ GA 421 0022733

Billing Address: ATLANTIC WASTE SERVICES, 125 B PINE MEADOW DR, POOLER, GA 31322

Site Address: 106 MACARTHUR CR, BLDG 615, SAVANNAH, GA 31409

County of Origin: CHATHAM

Phone: 912 315 4226

SAMPLE # 0805054 - 01

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
SOIL/DEBRIS	15	101132 GA	YDS	30 YDS ROLL

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Wayne Hinson

Generator Authorized Agent Name

Signature: Wayne Hinson

Date Shipped

TRANSPORTER

Transporter Name: ATLANTIC WASTE SERVICES

Address: 125 B PINE MEADOW DR, POOLER, GA 31322

DOT#: 995113 GA

Truck Number: 101

James F. Edwards

Name of Authorized Agent

Signature: James Edwards

Date Delivered

DISPOSAL FACILITY

Site Name: SUPERIOR LANDFILL

Address: 3001 LITTLE NECK RD, SAVANNAH, GA 31419

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent

Signature

Date Received

White - Original Yellow - Transporter Pink - Disposal Facility Gold - Customer

0195

Atlantic
waste services

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: [illegible] US EPA ID#: ~~CA~~ CA42100022733

Billing Address: [illegible]

Site Address: [illegible]

County of Origin: [illegible] Phone: [illegible]

Quote # 0805051 01

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
Veg./Debris	15	101132EA	Yds	30yd metal

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Wayne Hinson — Generator Authorized Agent Name

Wayne Hinson — Signature

6-4-08 — Date Shipped

TRANSPORTER

Transporter Name: [illegible] DOT#: _____

Address: [illegible] Truck Number: _____

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL FACILITY

Site Name: [illegible]

Address: [illegible]

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent — Signature — Date Received

White - Original Yellow - Transporter Pink - Disposal Facility Gold - Customer

0194

Atlantic waste services

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: US Army - Hunter Army Airfield

US EPA ID#: ~~HA~~ GA4210022733

Billing Address: Atlantic Waste Services 125B Pine Meadows Dr. Pooler, GA 31322

Site Address: 1016 MacArthur Cr., Bldg 615, Savannah, GA 31409

County of Origin: Chatham

Phone: 912-315-4726

[illegible] # [illegible]5054-01

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
Soil/debris	15	[illegible]1132GA	yds	30yd metal

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Wayne Hinson — Generator Authorized Agent Name

[signature] — Signature

5 June 08 — Date Shipped

TRANSPORTER

Transporter Name: Atlantic Waste Services

DOT#: [illegible]

Address: 125B Pine Meadows Dr. Pooler, GA 31322

Truck Number: 104

David Coleman [illegible] Jr — Name of Authorized Agent

[signature] — Signature

5 June 08 — Date Delivered

DISPOSAL FACILITY

Site Name: [illegible] Landfill

Address: [illegible]

I hereby acknowledge receipt of the above described materials.

[illegible] — Name of Authorized Agent

[illegible] — Signature

[illegible] 08 — Date Received

White - Original Yellow - Transporter Pink - Disposal Facility Gold - Customer

0230

Atlantic
waste services

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: [illegible] US EPA ID#: ~~HTS~~ GA [illegible]

Billing Address: [illegible]

Site Address: [illegible]

County of Origin: [illegible] Phone: [illegible]

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
[illegible]	15	[illegible]	yds	30yd metal

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Wayne Hinson — Generator Authorized Agent Name

[signature] — Signature

6-9-08 — Date Shipped

TRANSPORTER

Transporter Name: [illegible] DOT#: 9951136a

Address: [illegible] Truck Number: 101

James F. Edwards — Name of Authorized Agent

[signature] — Signature

6.5.08 — Date Delivered

DISPOSAL FACILITY

Site Name: [illegible]

Address: [illegible]

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent

Signature

Date Received

White - Original Yellow - Transporter Pink - Disposal Facility Gold - Customer

0223

Atlantic
waste services

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: US Army - Hunter Army Airfield

US EPA ID#: GA4210022733

Billing Address: Atlantic Waste Services, 125 B Pine Meadow Dr, Pooler GA 31322

Site Address: 166 MacArthur Cir, Bldg 615, Savannah GA 31409

County of Origin: Chatham

Phone: 912 315 4226

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
Soil/Debris	15	[illegible]	15yds	30yd metal

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Wayne Hinson — Generator Authorized Agent Name

[signature] — Signature

[illegible] — Date Shipped

TRANSPORTER

Transporter Name: Atlantic Waste Services

DOT#: [illegible]

Address: 125 B Pine Meadow Dr, Pooler GA 31322

Truck Number: 18

[illegible] — Name of Authorized Agent

[signature] — Signature

[illegible] — Date Delivered

DISPOSAL FACILITY

Site Name: Superior Landfill

Address: 3001 Little Neck Rd, Savannah, GA 31419

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent

Signature

Date Received

White - Original Yellow - Transporter Pink - Disposal Facility Gold - Customer

0190

Atlantic
waste services

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: ARMY - HUNTER ARMY INFIELD — US EPA ID#: ~~HHK~~ GAY2100227

Billing Address: ATLANTIC WASTE SERVICES

Site Address: [illegible] GA 31407

County of Origin: CHATHAM — Phone: 912 315 1226

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
SOIL/DEBRIS	12	151326A	YD	30 YD ROLL OFF

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Wayne Hinson — Wayne Hinson — Date Shipped

Generator Authorized Agent Name — Signature

TRANSPORTER

Transporter Name: ATLANTIC WASTE SERVICES — DOT#:

Address: [illegible] GA 31322 — Truck Number:

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL FACILITY

Site Name: [illegible]

Address: [illegible]

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent — Signature — Date Received

White - Original Yellow - Transporter Pink - Disposal Facility Gold - Customer

Atlantic
waste services

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: US Army - Hunter Army Airfield

US EPA ID#: ~~N/A~~ GA1210022733

Billing Address: Atlantic Waste Services, [illegible], GA [illegible]

Site Address: [illegible], Savannah, GA 31409

County of Origin: Chatham

Phone: 912 315 4226

Sample # CB05054-01

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
Soil / Debris	15	[illegible]	Yds	20 Yd [illegible]

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Wayne Hinson

Generator Authorized Agent Name

Wayne Hinson

Signature

Date Shipped

TRANSPORTER

Transporter Name: Atlantic Waste Services

Address: [illegible]
[illegible], GA [illegible]

DOT#:

Truck Number:

Name of Authorized Agent

Signature

Date Delivered

DISPOSAL FACILITY

Site Name: Superior Landfill

Address: 3001 Little Neck Rd
Savannah GA 31419

I hereby acknowledge receipt of the above described materials.

[illegible]

Name of Authorized Agent

[illegible]

Signature

[illegible]

Date Received

White - Original Yellow - Transporter Pink - Disposal Facility Gold - Customer

0191

Atlantic
waste services

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: US ARMY - HUNTER ARMY AIRFIELD

US EPA ID#: GA4210022733

Billing Address: ATLANTIC WASTE SERVICES, 125 BLACK MEADOW DR. POOLER, GA 31322

Site Address: [illegible] SAVANNAH GA [illegible]

County of Origin: CHATHAM

Phone: 912 315 1226

SAMPLE # CBC5051-01

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
SOIL / DEBRIS	15	101132 GA		[illegible]

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Wayne Hinson

Generator Authorized Agent Name

Signature

Date Shipped

TRANSPORTER

Transporter Name: ATLANTIC WASTE SERVICES

Address: 125 BLACK MEADOW DR POOLER GA 31322

DOT#:

Truck Number:

Name of Authorized Agent

Signature

Date Delivered

DISPOSAL FACILITY

Site Name: [illegible]

Address: 3[illegible] LITTLE NECK RD SAVANNAH, GA 31419

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent

Signature

Date Received

White - Original Yellow - Transporter Pink - Disposal Facility Gold - Customer

0193

Atlantic
waste services

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: [illegible] US EPA ID#: GA 4210022733

Billing Address: [illegible]

Site Address: [illegible]

County of Origin: [illegible] Phone: [illegible]

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
SOIL / DEBRIS	15	[illegible]	YDS	20 YD METAL

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Wayne Hinson — Generator Authorized Agent Name

Wayne Hinson — Signature — Date Shipped

TRANSPORTER

Transporter Name: ATLANTIC WASTE SERVICES DOT#: 995113

Address: [illegible] Truck Number: 113

[illegible] — Name of Authorized Agent

[illegible] — Signature — Date Delivered

DISPOSAL FACILITY

Site Name: [illegible]

Address: [illegible]

I hereby acknowledge receipt of the above described materials.

[illegible] — Name of Authorized Agent

[illegible] — Signature — Date Received

White - Original Yellow - Transporter Pink - Disposal Facility Gold - Customer

0225

Atlantic
waste services

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: US Army - Hunter Army Airfield   US EPA ID#: GA[illegible]

Billing Address: Atlantic Waste Services, 125 [illegible] [illegible] [illegible] GA 31322

Site Address: 106 MacArthur Cr. Bldg 615, Savannah GA 31409

County of Origin: Chatham   Phone: 912 [illegible] 4226

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
Soil/Debris	15	[illegible]	[illegible]	[illegible] metal

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Wayne Hinson — Generator Authorized Agent Name | [signature] — Signature | Date Shipped

TRANSPORTER

Transporter Name: Atlantic Waste Services   DOT#: [illegible]

Address: [illegible]   Truck Number: 104

[illegible] — Name of Authorized Agent | [signature] — Signature | [illegible] — Date Delivered

DISPOSAL FACILITY

Site Name: [illegible]

Address: [illegible]

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent | Signature | Date Received

White - Original Yellow - Transporter Pink - Disposal Facility Gold - Customer

WATER DISPOSAL MANIFESTS

THIS PAGE INTENTIONALLY LEFT BLANK.

Water Recovery, Inc.

1819 Albert Street
Jacksonville, FL 32202
(904) 475-9320 Fax (904) 475-9449
www.wrijax.com

Mr. Rob Cooler
Project Manager
Moran Environmental Recovery
2600 Seaboard Coastline Drive
Savannah, GA 31415

June 3, 2008

RE: Petroleum Contact Water Acceptance

Dear Mr. Cooler,

We have reviewed the analytical data for the two storage tanks of petroleum contact water at Hunter Army Airfield in Savannah, Georgia. The water is from a remediation project for Old Pumphouse 2, where petroleum contaminated soil was removed along with groundwater (waste water) encountered. The two samples from SES, LLC were Sample from Baker Tank 1 (Lab number 0805094-01) and Sample from Baker Tank 2 (Lab number 0805094-02). The analytical data show the water to be non-hazardous and acceptable for disposal at our facility.

It is our understanding that SES LLC is managing the waste water for the US Army, Hunter Army Airfield, and Moran Environmental Recovery will be transporting the water to us.

Per your request, this letter is to serve as documentation that Moran Environmental Recovery is approved for the disposal of petroleum contact water (PCW) at Water Recovery Inc. Your approval number for this material is W-0208. Please ensure that each manifest contains this approval number.

Please contact me directly if I can be of further assistance.

Sincerely,

Gregory G. Reynolds
Vice President and General Manager
Water Recovery, Inc.

Waste Disposal Made Safe and Simple

Empirical Laboratories

CLIENT: SES, LLC
DATE RECEIVED: 05/08/08
DATE REPORTED: 05/14/08

EMPIRICAL LABORATORIES SAMPLE NUMBER						0805094-01
CLIENT SAMPLE DESCRIPTION/SAMPLING DATE						Baker Tank 1 5/7/2008 3:30:00 PM
ANALYTES	USEPA METHOD	UNITS	MDL	REPORTING LIMITS	DILUTION FACTOR	CONC
Oil & Grease	1664A	mg/L	2.0	5.0	1	9.3
pH- Laboratory (1)	SM4500H$^+$B	Units	NA	NA	1	11.3 @ 25°C
Phenolics	9065	mg/L	0.010	0.030	1	0.048

See attached page for definitions of terms and qualifiers.

227 French Landing Drive ▮ Suite 550 ▮ Nashville, TN 37228 ▮ Tel (615) 345-1115 ▮ Fax (615) 846-5426

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BAKER TANK 1

Lab Name: EMPIRICAL LABS Contract: SES

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: SES.V05094

Matrix: (soil/water) WATER Lab Sample ID: 0805094-01

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0509401

Level: (low/med) LOW Date Sampled: 05/07/08 15:30

% Moisture: not dec. _____ Date Analyzed: 05/13/08 15:58

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	62	
71-43-2	Benzene	0.11	1.0	65	
75-27-4	Bromodichloromethane	0.086	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10	24	
75-15-0	Carbon disulfide	0.13	1.0	0.65	J
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.10	1.0		U
74-87-3	Chloromethane	0.40	2.0		U
110-82-7	Cyclohexane	0.18	2.0	15	
124-48-1	Dibromochloromethane	0.080	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
106-93-4	1,2-Dibromoethane	0.070	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
100-41-4	Ethylbenzene	0.14	1.0	180	
591-78-6	2-Hexanone	0.83	5.0		U
98-82-8	Isopropylbenzene	0.034	1.0	6.8	
79-20-9	Methyl acetate	0.87	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
108-87-2	Methyl cyclohexane	0.20	1.0	18	
1634-04-4	MTBE	0.17	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0	2.7	J
100-42-5	Styrene	0.22	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.070	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BAKER TANK 1

Lab Name: EMPIRICAL LABS Contract: SES

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: SES.V05094

Matrix: (soil/water) WATER Lab Sample ID: 0805094-01

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0509401

Level: (low/med) LOW Date Sampled: 05/07/08 15:30

% Moisture: not dec. _____ Date Analyzed: 05/13/08 15:58

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
108-88-3	Toluene	0.18	1.0	21	
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
75-01-4	Vinyl chloride	0.19	2.0		U
1330-20-7	Xylene(total)	0.21	1.0	99	

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BAKER TANK 1

Lab Name: EMPIRICAL LABS Contract: SES

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: SES.B05094

Matrix: (soil/water) WATER Lab Sample ID: 0805094-01

Sample wt/vol: 1060 (g/mL) ML Lab File ID: 0509401

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 05/07/08 15:30

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:05/12/08

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 05/12/08 13:15

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.30	0.94	14	
208-96-8	Acenaphthylene	0.22	0.94		U
120-12-7	Anthracene	0.36	0.94	4.5	
56-55-3	Benzo(a)anthracene	0.43	0.94		U
205-99-2	Benzo(b)fluoranthene	0.33	0.94		U
207-08-9	Benzo(k)fluoranthene	0.24	0.94		U
191-24-2	Benzo(g,h,i)perylene	0.69	0.94		U
50-32-8	Benzo(a)pyrene	0.28	0.94		U
218-01-9	Chrysene	0.48	0.94		U
53-70-3	Dibenz(a,h)anthracene	0.80	0.94		U
206-44-0	Fluoranthene	0.33	0.94	5.4	
86-73-7	Fluorene	0.26	0.94	8.2	
193-39-5	Indeno(1,2,3-cd)pyrene	0.67	0.94		U
91-20-3	Naphthalene	0.21	0.94	47	E
85-01-8	Phenanthrene	0.36	0.94	24	
129-00-0	Pyrene	0.31	0.94	3.4	

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BAKER TANK 1DL

Lab Name: EMPIRICAL LABS Contract: SES

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: SES.B05094

Matrix: (soil/water) WATER Lab Sample ID: 0805094-01DL

Sample wt/vol: 1060 (g/mL) ML Lab File ID: 0509401D

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 05/07/08 15:30

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:05/12/08

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 05/12/08 17:17

Injection Volume: 0.5(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	3.0	9.4	19	D
208-96-8	Acenaphthylene	2.2	9.4		UD
120-12-7	Anthracene	3.6	9.4	4.5	JD
56-55-3	Benzo(a)anthracene	4.3	9.4		UD
205-99-2	Benzo(b)fluoranthene	3.3	9.4		UD
207-08-9	Benzo(k)fluoranthene	2.4	9.4		UD
191-24-2	Benzo(g,h,i)perylene	6.9	9.4		UD
50-32-8	Benzo(a)pyrene	2.8	9.4		UD
218-01-9	Chrysene	4.8	9.4		UD
53-70-3	Dibenz(a,h)anthracene	8.0	9.4		UD
206-44-0	Fluoranthene	3.3	9.4	5.6	JD
86-73-7	Fluorene	2.6	9.4	10	D
193-39-5	Indeno(1,2,3-cd)pyrene	6.7	9.4		UD
91-20-3	Naphthalene	2.1	9.4	57	D
85-01-8	Phenanthrene	3.6	9.4	26	D
129-00-0	Pyrene	3.1	9.4	3.6	JD

Empirical Laboratories

CLIENT: SES, LLC
DATE RECEIVED: 05/08/08
DATE REPORTED: 05/14/08

EMPIRICAL LABORATORIES SAMPLE NUMBER						0805094-02
CLIENT SAMPLE DESCRIPTION/SAMPLING DATE						Baker Tank 2 5/7/2008 3:40:00 PM
ANALYTES	USEPA METHOD	UNITS	MDL	REPORTING LIMITS	DILUTION FACTOR	CONC
Oil & Grease	1664A	mg/L	2.0	5.0	1	<2.0
pH- Laboratory (1)	SM4500H$^+$B	Units	NA	NA	1	8.3 @ 25°C
Phenolics	9065	mg/L	0.010	0.030	1	<0.010

See attached page for definitions of terms and qualifiers.

EMPIRICAL LABORATORIES

D. Rick Davis
Vice President

227 French Landing Drive ▪ Suite 550 ▪ Nashville, TN 37228 ▪ Tel (615) 345-1115 ▪ Fax (615) 846-5426

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BAKER TANK 2

Lab Name: EMPIRICAL LABS Contract: SES

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: SES.V05094

Matrix: (soil/water) WATER Lab Sample ID: 0805094-02

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0509402

Level: (low/med) LOW Date Sampled: 05/07/08 15:40

% Moisture: not dec. _____ Date Analyzed: 05/13/08 14:00

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	18	
71-43-2	Benzene	0.11	1.0	1.5	
75-27-4	Bromodichloromethane	0.086	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0	0.18	J
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.10	1.0		U
74-87-3	Chloromethane	0.40	2.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.080	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
106-93-4	1,2-Dibromoethane	0.070	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
100-41-4	Ethylbenzene	0.14	1.0	0.28	J
591-78-6	2-Hexanone	0.83	5.0		U
98-82-8	Isopropylbenzene	0.034	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
1634-04-4	MTBE	0.17	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0	2.2	J
100-42-5	Styrene	0.22	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.070	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BAKER TANK 2

Lab Name: EMPIRICAL LABS Contract: SES

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: SES.V05094

Matrix: (soil/water) WATER Lab Sample ID: 0805094-02

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0509402

Level: (low/med) LOW Date Sampled: 05/07/08 15:40

% Moisture: not dec. _____ Date Analyzed: 05/13/08 14:00

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
108-88-3	Toluene	0.18	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
75-01-4	Vinyl chloride	0.19	2.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BAKER TANK 2

Lab Name: EMPIRICAL LABS Contract: SES

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: SES.B05094

Matrix: (soil/water) WATER Lab Sample ID: 0805094-02

Sample wt/vol: 1080 (g/mL) ML Lab File ID: 0509402

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 05/07/08 15:40

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:05/12/08

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 05/12/08 13:42

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.29	0.92		U
208-96-8	Acenaphthylene	0.22	0.92		U
120-12-7	Anthracene	0.36	0.92		U
56-55-3	Benzo(a)anthracene	0.42	0.92		U
205-99-2	Benzo(b)fluoranthene	0.33	0.92		U
207-08-9	Benzo(k)fluoranthene	0.23	0.92		U
191-24-2	Benzo(g,h,i)perylene	0.68	0.92		U
50-32-8	Benzo(a)pyrene	0.28	0.92		U
218-01-9	Chrysene	0.47	0.92		U
53-70-3	Dibenz(a,h)anthracene	0.79	0.92		U
206-44-0	Fluoranthene	0.32	0.92	2.2	
86-73-7	Fluorene	0.25	0.92		U
193-39-5	Indeno(1,2,3-cd)pyrene	0.66	0.92		U
91-20-3	Naphthalene	0.21	0.92		U
85-01-8	Phenanthrene	0.36	0.92		U
129-00-0	Pyrene	0.30	0.92	2.7	

load #1

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: GA4210022733

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number: SAV- 001430

5. Generator's Name and Mailing Address

U.S. Hunter Army Airfield
105 McArthur Cr.
Savannah, GA 31409

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name: Moran Environmental Recovery LLC — U.S. EPA ID Number: FLD092718576

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address — U.S. EPA ID Number: FLR000059062

Water Recovery Inc.
1819 Albert Street
Jacksonville, FL 32202

Facility's Phone: 904-475-9320

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	Non Hazardous Non Regulated Petroleum Contact Water	001	TT	5,000	Gal
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information

PROFILE # W-0208
JOB # SG1480
PO # 201688

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Wayne Hinson — Signature: Wayne Hinson — Month 6 Day 4 Year 08

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: David L. Holmes — Signature: [signature] — Month 06 Day 04 Year 08

Transporter 2 Printed/Typed Name — Signature — Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name — Signature — Month Day Year

GENERATOR — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 8/06)

DESIGNATED FACILITY TO GENERATOR

load #2

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
GA4210022733			SAV- 001431

5. Generator's Name and Mailing Address
U.S. Hunter Army Airfield
106 McArthur Cr.
Savannah, GA 31409
Generator's Phone:

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name
Moran Environmental Recovery LLC

U.S. EPA ID Number
FLD092718576

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Water Recovery Inc.
1819 Albert Street
Jacksonville, FL 32202
Facility's Phone: 904-475-9320

U.S. EPA ID Number
FLR000059062

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non Hazardous Non Regulated - Petroleum Contact Water	001	TT	5,000	Gal	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
PROFILE # W-0208
JOB # SG1480
PO # 201689

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Wayne Hinson
Signature: Wayne Hinson
Month: 6 Day: 4 Year: 08

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: David L. Holmes
Signature: David L. Holmes
Month: 06 Day: 04 Year: 08

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name:
Signature:
Month: Day: Year:

GENERATOR — TRANSPORTER INT'L — DESIGNATED FACILITY

Load #3

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
GA 4210022733			SAV- 001432

5. Generator's Name and Mailing Address
U.S. Hunter Army Airfield
106 McArthur Cr.
Savannah, GA 31409
Generator's Phone:

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name
Moran Environmental Recovery LLC
U.S. EPA ID Number: FLD092718575

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Water Recovery Inc.
1819 Albert Street
Jacksonville, FL 32202
Facility's Phone: 904-475-9320
U.S. EPA ID Number: FLR000069052

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non Hazardous Non Regulated Petroleum Contact Water	001	TT	5,000	Gal	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
PROFILE # W-0308
JOB # SG1480
PO # 201690

Tm 08:25
Tout 07:55

PH 3.76 SOLIDS 3 OIL 1.6 TOX 100 FLASH >160

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
Wayne Hinson	Wayne Hinson	6	4	08

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
David L. Holmes		06	04	08
Transporter 2 Printed/Typed Name	**Signature**	**Month**	**Day**	**Year**
HOKE HAYES	Hoke Hayes	6	11	08

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)	Month	Day	Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
ALKET MILE VIII-73		06	12	08

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

Load #4

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number GA421002733	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number SAV- 001433

5. Generator's Name and Mailing Address
U.S. Hunter Army Airfield
106 McArthur Cr.
Savannah, GA 31409
Generator's Phone:

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Moran Environmental Recovery LLC — U.S. EPA ID Number: FLD092718576

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
Water Recovery Inc.
1819 Albert Street
Jacksonville, FL 32202
Facility's Phone: 904-475-9320
U.S. EPA ID Number: FLR000059062

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non Hazardous Non Regulated Petroleum Contact Water	001	TT	5,000	Gal	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
PROFILE # W-0208
JOB # SG1480
PO # 201691

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Wayne Hinson — Signature: Wayne Hinson — Month 6 Day 4 Year 08

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: David L. Holmes — Signature: David L. Holmes — Month 06 Day 04 Year 08

Transporter 2 Printed/Typed Name — Signature — Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name — Signature — Month Day Year

GENERATOR | TRANSPORTER INTL | DESIGNATED FACILITY

Load #5

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	GA 42100022733			SAV- 001434

5. Generator's Name and Mailing Address

U.S. Hunter Army Airfield
106 MacArthur Cir.
Savannah, GA 31409

Generator's Phone:

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name — U.S. EPA ID Number

Moran Environmental Recovery LLC — FLD092718576

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address — U.S. EPA ID Number

Water Recovery Inc.
1619 Albert Street
Jacksonville, FL 32202
FLR000069052

Facility's Phone: 904-475-9320

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non Hazardous Non Regulated Petroleum Contact Water	001	TT	2,500	Gal	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

PROFILE # W-0208
JOB # SQ1480
PO # 201692

PH 6.07 SOLIDS 2 OIL ND 70X100 FLASH>140

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Wayne Hinson — Signature: Wayne Hinson — Month 6 Day 4 Year 08

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: David L Holmes — Signature — Month 06 Day 04 Year 08

Transporter 2 Printed/Typed Name: Hoke Hayes — Signature: Hoke Hayes — Month 6 Day 13 Year 08

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: WALKER MILE — Signature — Month 06 Day 13 Year 08

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

COPY

THIS PAGE INTENTIONALLY LEFT BLANK.

APPENDIX IX

SITE RANKING FORM

THIS PAGE INTENTIONALLY LEFT BLANK.

SITE RANKING FORM

Facility Name: **Former Pumphouse #2 (tank pit area)** **Ranked by:** **S. Stoller**

County: **Chatham** **Facility ID #:** **9-025086** **Date Ranked:** **10/13/2008**

SOIL CONTAMINATION

A. Total PAHs –
Maximum Concentration found on the site
(Assume <0.660 mg/kg if only gasoline was stored on site)

☐	≤0.660 mg/kg	=	0
☐	>0.66 - 1 mg/kg	=	10
☐	>1 - 10 mg/kg	=	25
* ☒	>10 mg/kg	=	50

** 2003 Confirmatory Sample AMB211 (Feb 2003)*

B. Total Benzene -
Maximum Concentration found on the site

☐	≤0.005 mg/kg	=	0
☐	>0.005 - .05 mg/kg	=	1
* ☒	>0.05 - 1 mg/kg	=	10
☐	>1 - 10 mg/kg	=	25
☐	>10 - 50 mg/kg	=	40
☐	>50 mg/kg	=	50

** 2008 Confirmatory soil sampling*

C. Depth to Groundwater
(bls = below land surface)

☐	>50' bls	=	1
☐	>25' - 50' bls	=	2
☒	>10' - 25' bls	=	5
☐	≤10' bls	=	10

Fill in the blanks: **(A.__50__) + (B.__10__) = (__60__) x (C.__5__) = (D.__300__)**

GROUNDWATER CONTAMINATION

E. Free Product (Nonaqueous-phase liquid hydrocarbons; See Guidelines For definition of "sheen").

☒	No free product	=	0
☐	Sheen - 1/8"	=	250
☐	>1/8" - 6"	=	500
☐	>6" - 1ft.	=	1,000
☐	For every additional inch, add another 100 points = 1,000 +		

F. Dissolved Benzene -
Maximum Concentration at the site
(One well must be located at the source of the release.)

☐	≤5 µg/L	= 0
☐	>5 - 100 µg/L	= 5
* ☒	>100 - 1,000 µg/L	= 50
☐	>1,000 - 10,000 µg/L	= 500
☐	>10,000 µg/L	= 1,500

** July 2008 groundwater sampling*

Fill in the blanks: **(E.__0__) + (F.__50__) = (G.__50__)**

Facility Name: Former Pumphouse #2 (tank pit area) **Facility ID #:** 9-025086

POTENTIAL RECEPTORS (MUST BE FIELD-VERIFIED)

Distance from nearest contaminant plume boundary to the nearest downgradient and hydraulically connected Point of Withdrawal for water supply. **If the point of withdrawal is not hydraulically connected, evidence as outlined in the CAP-A guidance document MUST be presented to substantiate this claim.**

H. Public Water Supply

☐	Impacted	=	2000
☐	≤500'	=	500
☐	>500' - ¼ mi	=	25
☐	¼ mi - 1 mi	=	10
☐	>1 mi - 2 mi	=	2
* ☒	> 2 mi	=	0

For lower susceptibility areas only:

☐	>1 mi	=	0

Note: If site is in lower susceptibility area, do not use the shaded areas.

* For justification that withdrawal point is not hydraulically connected, see attached text.

I. Non-Public Water Supply

☐	Impacted	=	1000
☐	≤100'	=	500
☐	>100' - 500'	=	25
☐	>500' - ¼ mi	=	5
☐	>¼ - ½ mi	=	2
☒	>½ mi	=	0

For lower susceptibility areas only:

☐	>¼ mi	=	0

J. Distance from nearest Contaminant Plume boundary to downgradient Surface Waters **OR UTILITY TRENCHES & VAULTS** (a utility trench may be omitted from ranking if its invert elevation is more than 5 feet above the water table)

☐	Impacted	=	500
☒	≤500'	=	50
☐	>500' - 1,000'	=	5
☐	>1,000'	=	2

K. Distance from any Free Product to basements and crawl spaces

☐	Impacted	=	500
☐	<500'	=	50
☐	>500' - 1,000'	=	5
☒	>1,000' or no free product.	=	0

Fill in the blanks: (H. 0) + (I. 0) + (J. 50) + (K. 0) = L. 50

(G. 50) x (L. 50) = M. 2,500

(M. 2,500) + (D. 300) = N. 2,800

P. **SUSCEPTIBILITY AREA MULTIPLIER**

☐ If site is located in a Low Ground-Water Pollution Susceptibility Area = 0.5

☒ All other sites = 1

Q. **EXPLOSION HAZARD**

Have any explosive petroleum vapors, possibly originating from this release, been detected in any subsurface structure (e.g., utility trenches, basements, vaults, crawl spaces, etc.)?

☐ Yes = 200,000

☒ No = 0

Fill in the blanks: (N. 2,800) x (P. 1) = (2,800) + (Q. 0)

= 2,800 (Confirmatory soil sampling and July 2008 GW sampling)
ENVIRONMENTAL SENSITIVITY SCORE

ADDITIONAL GEOLOGIC AND HYDROGEOLOGIC DATA

The following is presented to provide supplemental information to Item H of the Site Ranking Form and details relating to the geologic and hydrogeologic conditions at Hunter Army Airfield (HAAF), which support HAAF's determination that the water withdrawal points located at the airfield cannot be hydraulically connected to the surficial aquifer.

1.0 REGIONAL GEOLOGY

Southeast Georgia is located within the Coastal Plain physiographic province of the southeast United States (Clark and Zisa 1976). In this region, the thickness of the southeastward-dipping subsurface strata ranges from 0 ft at the Fall Line, located approximately 350 miles inland from the Atlantic coast, to approximately 4,200 ft below ground surface (BGS) at the coast. Herrick (1961) provides detailed lithologic descriptions of the stratigraphic units encountered during the installation of water and petroleum exploration wells in Chatham County. The well log of GGS Well 125, located on White Bluff Road, 700 ft west and 0.3 mile north of Buckhalter Road, Savannah, provides one of the more complete lithologic descriptions of upper Eocene, Miocene, and Pliocene to Recent sedimentary strata in Chatham County.

The upper Eocene (Ocala Limestone) section of GGS Well 125 is approximately 225 ft thick and dominated by light gray to white, fossiliferous limestone. The Miocene section is approximately 250 ft thick and consists of limestone, with a 160-ft-thick cap of dark green phosphatic clay. This clay is regionally extensive and is known to occupy the Coosawatchie Formation of the Hawthorn Group (Furlow 1969; Arora 1984; Huddlestun 1988). The interval from approximately 80 ft to the surface is Pliocene to Recent in age and composed primarily of sand interbedded with clay and silt. This section is occupied by the Satilla and Cypresshead Formations (Huddlestun 1988).

2.0 LOCAL GEOLOGY

HAAF is located within the Barrier Island Sequence District of the Coastal Plain physiographic province of the southeast United States (Clark and Zisa 1976). The Barrier Island Sequence District in Chatham and Bryan Counties is characterized by the existence of several marine terraces (step-like topographic surfaces that decrease in elevation toward the coast). These marine terraces, and their associated deposits, are the result of sea level fluctuations that occurred during the Pleistocene epoch. The surficial (Quaternary) deposits in Chatham and Bryan Counties, in decreasing elevation and age, are part of the Okefenokee, Wicomico, Penholoway, Pamlico, and Silver Bluff terrace complexes (Wilkes et al. 1974; GA DNR 1976; Huddlestun 1988).

HAAF, as well as most of Chatham County, is underlain by the Pleistocene Pamlico terrace. The Pleistocene Satilla Formation (formerly known as the Pamlico Formation) consists of deposits of the Pamlico terrace complex and other terrace complexes in the region (Huddlestun 1988). The Satilla Formation is a lithologically heterogeneous unit that consists of variably bedded to non-bedded sand and variably bedded silty to sandy clay. During the Pleistocene epoch, these sand and clay deposits were formed in offshore and inner continental shelf, barrier island, and marsh/lagoonal-type environments (Huddlestun 1988). According to the *Geologic Map of Georgia* (GA DNR 1976), clay beds of marsh origin, which were deposited on the northwestern side of the former Pamlico barrier island complex, exist in the western quarter of HAAF. Very fine- to coarse-grained sand deposits of barrier island origin are more common throughout the remaining areas of HAAF.

Based on the coring and sampling of unconsolidated strata at HAAF during the Corrective Action Plan–Part A investigations, it was concluded that all former underground storage tanks (USTs) were buried within the Satilla Formation, which is overlain by various soil types. Soil groups at HAAF include the Chipley, Leon, Ellabelle, Kershaw, Pelham, Albany, Wahee, and Ogeechee (Wilkes et al. 1974).

3.0 REGIONAL AND LOCAL HYDROGEOLOGY

The hydrogeology in the vicinity of HAAF is mostly influenced by two aquifer systems. These are referred to as the principal artesian (Floridan) aquifer and the surficial aquifer (Miller 1990). The principal artesian aquifer is the lowermost hydrologic unit and is regionally extensive from South Carolina through Georgia, Alabama, and most of Florida. Known elsewhere as the Floridan, this aquifer, approximately 800 ft in total thickness, is composed primarily of Tertiary-age limestone, including the Bug Island Formation, Ocala Group, and Suwannee Limestone. Groundwater from the Floridan is used primarily for drinking water (Arora 1984). According to Miller (1990), one of the largest cones of depression produced in the upper Floridan aquifer exists directly beneath Savannah, Georgia. Net water level decline in the Floridan system, between the predevelopment period and 1980, exceeded 80 ft beneath Savannah. In addition, according to 1980 estimates, more than 500 million gal of water per day were withdrawn from the Floridan for public and industrial use in southeast Georgia, more than any other region.

The confining layer for the Principal Artesian (Floridan) Aquifer is the phosphatic clay of the Hawthorn Group. There are minor occurrences of aquifer material within the Hawthorn Group; however, they have limited use (Miller 1990). The surficial aquifer overlies the Hawthorn confining unit.

The surficial aquifer consists of widely varying amounts of sand and clay, ranging from 55 to 150 ft in thickness, and is composed primarily of the Satilla and Cypresshead Formations in the Savannah vicinity (Arora 1984). This aquifer is primarily used for domestic lawn and agricultural irrigation. The top of the water table ranges from approximately 2 to 10 ft BGS (Miller 1990). Groundwater in the surficial aquifer system is under unconfined, or water table, conditions. However, locally, thin clay beds create confined or semiconfined conditions, as is the case at HAAF where thin, surficial clay beds are present in the western quadrant (GA DNR 1976).

Groundwater encountered at all of the UST investigation sites is part of the surficial aquifer system. Based on the fact that all public and non-public water supply wells draw water from the principal artesian (Floridan) aquifer and that the Hawthorn confining unit separates the principal artesian aquifer from the surficial aquifer, it is concluded that there is no hydraulic interconnection between the surficial aquifer (and associated groundwater plumes, if applicable) located beneath former UST sites and identified water supply withdrawal points at HAAF.

4.0 REFERENCES

Arora, Ram 1984. *Hydrologic Evaluation for Underground Injection Control in the Coastal Plain of Georgia*, Department of Natural Resources, Environmental Protection Division, Georgia Geological Survey.

Clark, W.Z., Jr., and A.C. Zisa 1976. *Physiographic Map of Georgia*, Department of Natural Resources, Environmental Protection Division, Georgia Geologic Survey (reprinted 1988).

Furlow, J.W. 1969. *Stratigraphy and Economic Geology of the Eastern Chatham County Phosphate Deposit*, Department of Mines and Mining, Division of Conservation, Georgia Geologic Survey, Bulletin 82.

GA DNR (Georgia Department of Natural Resources) 1976. *Geologic Map of Georgia*, Department of Natural Resources, Environmental Protection Division, Georgia Geologic Survey (reprinted 1997).

Herrick, S.M. 1961. *Well Logs of the Coastal Plain of Georgia*, Department of Natural Resources, Environmental Protection Division, Georgia Geologic Survey.

Huddlestun, P.F. 1988. *A Revision of the Lithostratigraphic Units of the Coastal Plain of Georgia, The Miocene through Holocene*, Department of Natural Resources, Environmental Protection Division, Georgia Geologic Survey, Bulletin 104.

Miller, James A. 1990. *Groundwater Atlas of the United States*, U. S. Department of the Interior, U. S. Geological Survey, Hydrologic Inventory Atlas 730G.

Wilkes, R.L., J.H. Johnson, H.T. Stoner, and D.D. Bacon 1974. *Soil Survey of Bryan and Chatham Counties, Georgia,* U. S. Department of Agriculture Soil Conservation Service.

THIS PAGE INTENTIONALLY LEFT BLANK.